

20031120.qrp v03\_n110.qrl.20031120

Date: Thu, 20 Nov 2003 19:03:12 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3110

QRP-L Digest 3110

Topics covered in this issue include:

- 1) [161544] Re: W0IS preliminary log  
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 2) [161545] 160 meters tonight  
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 3) [161546] RE: 160 meters tonight  
by "Fred \ (VE3FAL\)" <flesnick@tbaytel.net>
- 4) [161547] Re: HELP PLEASE: Gerber Files  
by Paul Mills <quahog@localnet.com>
- 5) [161548] NEQRP CW Net, Thursday, 20 Nov 03, 08:30 PM EST, 3.566 MHz  
by Chuck Ludinsky <cludinsky@comcast.net>
- 6) [161549] Re: More thoughts on the DDS BF0...and...how 'bout that Elecraft  
KX1  
by "James R. Duffey" <JamesDuffey@comcast.net>
- 7) [161550] Re: More thoughts on the DDS BF0...and...how 'bout that Elecraft  
KX1 ?  
by John Meade <jm416@optonline.net>
- 8) [161551] Re: HELP PLEASE: Gerber Files  
by Nick Foster <zaphod@coe.neu.edu>
- 9) [161552] Re: K3ESE prelogue  
by "Jay Henson" <aj4ay@worldnet.att.net>
- 10) [161553] N8ET QSO on 1.810.3  
by "Fred \ (VE3FAL\)" <flesnick@tbaytel.net>
- 11) [161554] Re: 160 meters tonight  
by "Sam Binkley" <sbinkley1@cox.net>
- 12) [161555] FS: CW keyboard kit board.  
by "Dave Redfearn" <n4elm@comcast.net>
- 13) [161556] Re: FOX: K3ESE prelogue  
by "Tom Palmer" <n1tp@swfla.rr.com>
- 14) [161557] FS: "Sidekick" 40 M receiver kit - unbuilt  
by "Dave Redfearn" <n4elm@comcast.net>
- 15) [161558] FS: Norcal SMK-1 kit - unbuilt  
by "Dave Redfearn" <n4elm@comcast.net>
- 16) [161559] ARRL Frequency Measuring Test - results  
by James R Giammanco <n5ib@juno.com>
- 17) [161560] 160 report  
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 18) [161561] Re: K3ESE prelogue

by "Thomas Kuehl" <ac7a@earthlink.net>

19) [161562] Changing Impedence?  
by kenneth hoglund <hoglund@wfu.edu>

20) [161563] Re: More thoughts on the DDS BFO...and...how 'bout that Elecraft KX1  
by <bill@n4qa.com>

21) [161564] Re: ARRL Frequency Measuring Test - results  
by "George, W5YR" <w5yr@att.net>

22) [161565] Re: ARRL Frequency Measuring Test tonight  
by "Tom Dufresne" <tdufres@hotmail.com>

23) [161566] Re: Changing Impedence?  
by "George, W5YR" <w5yr@att.net>

24) [161567] RE: a positive sign for BPL  
by "AI2Q" <ai2q@adelphia.net>

25) [161568] I Measured W1AW - ARRL Frequency Measuring Test  
by "James R. Duffey" <JamesDuffey@comcast.net>

26) [161569] Re: ARRL Frequency Measuring Test - results  
by "James R. Duffey" <JamesDuffey@comcast.net>

27) [161570] Re: a positive sign for BPL  
by "George, W5YR" <w5yr@att.net>

28) [161571] ARRL Frequency Measuring Test - A Problem?  
by Stephen Wandling <stephen@SwiftsureConsulting.com>

29) [161572] Re: ARRL Frequency Measuring Test - results  
by "George, W5YR" <w5yr@att.net>

30) [161573] Re: ARRL Frequency Measuring Test - results  
by "George, W5YR" <w5yr@att.net>

31) [161574] Re: ARRL Frequency Measuring Test - A Problem?  
by "George, W5YR" <w5yr@att.net>

32) [161575] Re: HELP PLEASE: Gerber Files  
by "Leon Heller" <leon\_heller@hotmail.com>

33) [161576] Optimal takeoff angles  
by "pschweit" <pschweit@mninter.net>

34) [161577] MV2107,2109 datasheet  
by =?euc-kr?q?=B9=DA=20=B1=D4=C8=A3?= <peyukr@yahoo.co.kr>

35) [161578] RE: a positive sign for BPL  
by Thom LaCosta <baltimoremd@baltimoremd.com>

36) [161579] RE: More thoughts on the DDS BFO...and...how 'bout that Elecraft  
KX1 ?  
by "Jim Sheldon" <w0eb@cox.net>

37) [161580] Experimenter Tools CW ops can enjoy too.  
by John R Kirby <n3aaz-qrp@juno.com>

38) [161581] Re: ARRL Frequency Measuring Test - results  
by Karl Larsen <k5di@zianet.com>

39) [161582] Zero Beat Device  
by "John Shannon" <jsk3wvp@alltel.net>

40) [161583] RE: "Sidekick" 40 M receiver kit - unbuilt  
by "Dave Redfearn" <n4elm@comcast.net>

41) [161584] Bands Dead...again!  
by John Sielke <jsielke@pobox.com>

- 42) [161585] Re: a positive sign for BPL  
by Alex <kr1st@amsat.org>
- 43) [161586] SOLD - CW keyboard kit board.  
by "Dave Redfearn" <n4elm@comcast.net>
- 44) [161587] SOLD - Norcal SMK-1 kit - unbuilt  
by "Dave Redfearn" <n4elm@comcast.net>
- 45) [161588] [CONTEST] N2CQ QRP Contest Calendar Nov 22-31, 2003  
by "Ken Newman" <n2cq@dandy.net>
- 46) [161589] Iowa QRP Club CW Net  
by Mark Milburn <mark.milburn@ispwest.com>
- 47) [161590] Stromy [space] weather.... :-)  
by "Rod N0RC" <rc7039-hr@yahoo.com>
- 48) [161591] Re: Zero Beat Device  
by John Sielke <jsielke@pobox.com>
- 49) [161592] Re: Optimal takeoff angles  
by "sjolin" <sjolin@swbell.net>
- 50) [161593] Re: Optimal takeoff angles  
by "Pastor-kc1di" <elbc2@gwi.net>
- 51) [161594] RE: a positive sign for BPL  
by Dale Botkin <dale@botkin.org>
- 52) [161595] Re: ARRL Frequency Measuring Test - results  
by Kevin Anderson <k9iua@juno.com>
- 53) [161596] RE: a positive sign for BPL  
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 54) [161597] Re: ARRL Frequency Measuring Test - results  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 55) [161598] Re: Changing Impedence?  
by KD5NWA <KD5NWA@cbayona.com>
- 56) [161599] Re: Optimal takeoff angles  
by Paul Mills <quahog@localnet.com>
- 57) [161600] RE: a positive sign for BPL  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 58) [161601] Re: a positive sign for BPL  
by "George, W5YR" <w5yr@att.net>
- 59) [161602] Re: ARRL Frequency Measuring Test - results  
by "George, W5YR" <w5yr@att.net>
- 60) [161603] Re: NorCal Paddle Contacts  
by "Armin Hachmer" <armin@muskoka.com>
- 61) [161604] Re: ARRL Frequency Measuring Test - results  
by "George, W5YR" <w5yr@att.net>
- 62) [161605] Hw to make Precision Frequency measurements  
by <stanw@toxso.com>
- 63) [161606] Switching P.S.  
by Mark Prather <wb9hfk@yahoo.com>
- 64) [161607] RE: AT Sprint Gen-II???  
by "Mark Rauchfuss" <mark.rauchfuss@worldnet.att.net>
- 65) [161608] Re: Bands Dead...again!  
by "Joe Martin" <km5cw@wt.net>

- 66) [161609] Re: Source for RF AGC Amplifier IC - thanks  
by "Clint Hurd" <discobay@waypt.com>
- 67) [161610] Re: Changing Impedence?  
by "Lee Hopper" <leehopp@msn.com>
- 68) [161611] Re: NorCal Paddle Contacts  
by "Armin Hachmer" <armin@muskoka.com>
- 69) [161612] Re: MV2107,2109 datasheet  
by Jim Pruitt <PruittJ@cwu.EDU>
- 70) [161613] AT Sprint MRK II web page  
by Steven Weber <kd1jv@moose.ncia.net>
- 71) [161614] RE: a positive sign for BPL  
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 72) [161615] Strange band condx  
by w2bvh <w2bvh@comcast.net>
- 73) [161616] New K2 s/w (K2Z, Ham Radio Deluxe, MacDopplerPro)  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 74) [161617] Re: a positive sign for BPL  
by "n3drk" <n3drk@triad.rr.com>
- 75) [161618] Re: a positive sign for BPL  
by John Sielke <jsielke@pobox.com>
- 76) [161619] Re: Strange band condx  
by "sjolin" <sjolin@swbell.net>
- 77) [161620] Re: AT Sprint MRK II web page  
by "Joe Martin" <km5cw@wt.net>
- 78) [161621] Re: Changing Impedence?  
by "Noyce, Bill" <william.noyce@hp.com>
- 79) [161622] Re: Switching P.S.  
by Bob Nielsen <nielsen@oz.net>
- 80) [161623] Re: Strange band condx  
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 81) [161624] Measurement methods.  
by Karl Larsen <k5di@zianet.com>
- 82) [161625] Re: Measurement methods.  
by "George, W5YR" <w5yr@att.net>
- 83) [161626] Re: Measurement methods.  
by "George, W5YR" <w5yr@att.net>
- 84) [161627] Re: a positive sign for BPL  
by w9ya <w9ya@arrl.net>
- 85) [161628] Re: a positive sign for BPL  
by "Mike Yetsko" <myetsko@insydesw.com>
- 86) [161629] Re:PBS NOVA  
by kizerian@xmission.com
- 87) [161630] sr@hfradio.org: e-alert 11.20 18:46 UTC  
by Rick McKee <kc8aon@juno.com>
- 88) [161631] OFF TOPIC PROBLEMO  
by "Lee Bahr" <pulsarxp@earthlink.net>
- 89) [161632] Re:PBS NOVA  
by David Hinerman <WD8CIV@worldnet.att.net>

90) [161633] Re: Strange band condx  
by Garie Halstead K8KFJ <khyberpass65@yahoo.com>  
91) [161634] RE: Strange band condx  
by "Jim Sheldon" <w0eb@cox.net>

-----  
Date: Wed, 19 Nov 2003 17:41:6 -0600  
From: "Doc K0EVZ" <dock0evz@earthlink.net>  
To: "Jay Henson" <aj4ay@worldnet.att.net>  
Cc: "qrp-l reflector" <qrp-l@lehigh.edu>,  
"doc k0evz earthlink" <dock0evz@earthlink.net>  
Subject: [161544] Re: W0IS preliminary log  
Message-ID: <412003113192341620@earthlink.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII

Jay:

All I have done is move to a new QTH up at 6800' in the mountains east of Albuquerque! Still have not had a chance to install permanent antennas, so I am using my portable Inverted Wye with 2 above-ground radials. Seems to work pretty well from here. I have even been able to bag some DX and Hawaii on 40 with it. One of the real plusses of this QTH is the extremely low noise, even quieter than it was in North Dakota.

Last evening I heard both FOXes pretty loud at the start, but by about 25 minutes into the hunt they were essentially ESP = gone for the night. Hopefully conditions will improve as the winter proceeds.

73,  
--Doc/K0EVZ

> [Original Message]  
> From: Jay Henson <aj4ay@worldnet.att.net>  
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
> Date: 11/19/2003 8:13:05 AM  
> Subject: Re: W0IS preliminary log  
>  
> Rick  
>  
> My 579 report on your signal was an honest report. Very loud and easy copy  
> in LA (lower Alabama) at 0203.  
>  
> Somewhere around 0225, the ether gods pulled the plug and you completely  
> dropped off the radar screen.  
>

> Lloyd's signal seemed to improve with time down here in the sticks. I  
> turned the radio off at 0100 and still had a very respectable copy on him.  
>  
> Very strange doings last evening. Even the pesky Texans were sort of  
wimpy  
> sounding, 'cept of course for W5YR. Like Tom N1TP said, George is ALWAYS  
> booming. I don't know what Doc K0EVZ has done at his new location but it  
> certainly was right. He and George were the loudest stations heard all  
> evening.  
>  
> Thanks to both foxii for the effort and my best to everyone.  
>  
> Jay  
> AJ4AY  
> Mobile, AL  
> QRPL 1372, ARCI 8131, FISTS 7917, FP -115, SOC 220  
>  
>  
> ---  
> Outgoing mail is certified Virus Free.  
> Checked by AVG anti-virus system (<http://www.grisoft.com>).  
> Version: 6.0.538 / Virus Database: 333 - Release Date: 11/10/2003

-----  
Date: Wed, 19 Nov 2003 18:55:33 -5  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161545] 160 meters tonight  
Message-ID: <3FBBCA5.13950.F88A11C@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

In preparation for the CQ WW CW contest coming up the last weekend in November, I got a new antenna up this afternoon. I now have an inverted vee for 160 up at 150'. I will be trying it out this evening between about 8 and 9 pm eastern time on about 1810 - 1812 KHz. The rig will be the new TenTec Orion backed down to 5W.

Hope to work a few of you!

73 - Bill - N8ET  
Kanga US  
kanga@bright.net  
<http://www.bright.net/~kanga/>  
419-423-4604

-----  
Date: Wed, 19 Nov 2003 19:13:39 -0500  
From: "Fred \(\VE3FAL\) " <flesnick@tbaytel.net>  
To: <kanga@bright.net>,  
    "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [161546] RE: 160 meters tonight  
Message-ID: <016201c3aefb\$26cf4cd0\$7d04d3d8@flesnick>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I will be on also, I got my 160 meter antenna all set for the test as well.  
So will listen up tonight between 8-9 pm..  
Fred  
VE3FAL

-----Original Message-----  
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Bill Kelsey - N8ET - Kanga US  
Sent: November 19, 2003 6:56 PM  
To: Low Power Amateur Radio Discussion  
Subject: 160 meters tonight

In preparation for the CQ WW CW contest coming up the last weekend in November, I got a new antenna up this afternoon. I now have an inverted vee for 160 up at 150'. I will be trying it out this evening between about 8 and 9 pm eastern time on about 1810 - 1812 KHz. The rig will be the new TenTec Orion backed down to 5W.

Hope to work a few of you!

73 - Bill - N8ET  
Kanga US  
kanga@bright.net  
<http://www.bright.net/~kanga/>

419-423-4604

-----  
Date: Thu, 20 Nov 2003 00:41:56 +0000 (UTC)  
From: Paul Mills <quahog@localnet.com>  
To: James Kelley <k4ybb@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [161547] Re: HELP PLEASE: Gerber Files  
Message-ID: <Pine.LNX.4.53.0311200036560.642@daystar.localnet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi James,

I seem to recall from my Autocad days that Gerber is a file format used to control a Gerber plotter, perhaps also xy machines for milling circuit boards? Why they want such a file is a mystery to me, I thought they did this photographically. Anyway, maybe somebody on the Autocad usenet forums can help.

Paul KB1GEJ

On Wed, 19 Nov 2003, James Kelley wrote:

> Group  
> I am wanting to get a couple of circuit boards made and every manufacture I  
> speak to wants "GERBER" files or they want BIG bucks to make them for me.  
> I understand that the circuit boards are made from these files but I have  
> no idea how the files are created in the first place. Is there a short cut  
> cheap and hopefully not quite so dirty way to make gerber files????  
> Information appreciated. Thank you Jim K4YBB  
>  
> James Kelley  
> k4ybb@earthlink.net  
> Why Wait? Move to EarthLink.  
>  
>  
>

-----  
Date: Wed, 19 Nov 2003 19:46:44 -0500  
From: Chuck Ludinsky <cludinsky@comcast.net>



To: neqrp@jonal.net, qrp-l@lehigh.edu  
Subject: [161548] NEQRP CW Net, Thursday, 20 Nov 03, 08:30 PM EST, 3.566 MHz  
Message-ID: <3FBC0EF4.4060809@comcast.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 20 November 2003, at 8:30 PM EST (01:30Z, 21 Nov 03) on or near 3.566 MHz. All hams are welcome. Net control operator will be Chuck, K1CL, operating from Chelmsford, MA.

Very unusual conditions last week, despite relatively low noise. John, K1RC, who lives only five or six miles from me and usually comes in with an S9+20dB signal, was barely making S7. Charles, W2SH, who is usually a solid 599, was essentially not copiable at 229 or less. One or two other stations could be vaguely heard, with no copy possible. With all the wind that night, I went out to check my antenna to be sure it was still up.... It was.

Thanks to John and Charles for checking in, and to those who tried unsuccessfully. Hope to hear everyone this week.

72 DE K1CL,

Chuck

-----  
Date: Wed, 19 Nov 2003 18:39:11 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: <bill@n4qa.com>  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [161549] Re: More thoughts on the DDS BFO...and...how 'bout that Elecraft KX1  
Message-ID: <BBE1694F.F8BC%JamesDuffey@comcast.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="ISO-8859-1"  
Content-transfer-encoding: quoted-printable

Bill - I think that the easiest solution to your concern about BFO drift is to leave the DSW 20 on all the time. :^)=3D Or, perhaps leave the B+, oops 12=A0V power, on the BFO all the time.

Forgive the cynicism, but I grew up, at least hamwise, in an era where

receivers drifted Kilocycles (thats Khz since 1967) in a half hour or more before settling down. IN 1965 we would hgave laughed at anybody complaining about 100 Hz drift in a few minutes before settling down. Nobody would have believed it. I have an old Hammarlund HQ-170 that drifts about 3 Kcps (oops KHz) in about 30 minutes then settles down. This was typical of the era. The HQ-170A ran the oscillator tube (valve) filament all the time to reduce the drift.

But, that aside, I think that a simple synthehsized BFO would be a good project. Being able to program it for the mode would be very useful. It would probably have to be simpler than the 9850 projects. You probably knew this, but you don't a BFO for AM. :^)=3D. - Dr. Megacycle KK6MC/5

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65

-----  
Date: Wed, 19 Nov 2003 20:36:46 -0500  
From: John Meade <jm416@optonline.net>  
To: qrp-l@Lehigh.EDU  
Subject: [161550] Re: More thoughts on the DDS BFO...and...how 'bout that Elecraft KX1 ?  
Message-ID: <000401c3af06\$dc1368f0\$2cfea8c0@DH89Q211>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I just turned on the KX1 and the pitch of the station that happened to be on that frequency has not changed in the past 30 mins. I see a small difference in the BFO circuits: The KX1 has an inductor and no variable capacitor, and the DSW-II has a variable capacitor and no inductor. But I don't know if that means anything.

72,

John W2XS

-----  
Date: Wed, 19 Nov 2003 20:51:34 -0500  
From: Nick Foster <zaphod@coe.neu.edu>  
To: QRP-L <qrp-l@lehigh.edu>

Subject: [161551] Re: HELP PLEASE: Gerber Files  
Message-ID: <11DB0D44-1AFC-11D8-A984-003065C6698A@coe.neu.edu>  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Mime-Version: 1.0 (Apple Message framework v552)  
Content-Transfer-Encoding: 7bit

whoops -- just posted a half-reply. hope the moderator catches that one.

anyway, Gerber files are the industry standard format for manufacturing printed circuit boards. Paul is right -- they do use a photolithographic process to etch the boards, but they use Gerber files to produce properly-sized images.

if you're looking for free PCB software that will generate Gerber files, try Eagle -- i believe its freeware edition (for nonprofit use) speaks Gerber.

and if you're looking for a manufacturer, i suggest Advanced Circuits ([www.4pcb.com](http://www.4pcb.com)). I have used them extensively in the past, and they do reasonably good work at low prices. In fact, if you happen to be affiliated with a university, you can get a "33 each" special made, where they send you three 2-layer boards for \$100. They specialize in prototype and short-order work, and are willing to work with you to get problems manufacturing your board solved.

On Wednesday, November 19, 2003, at 07:41 PM, Paul Mills wrote:

> Hi James,  
>  
> I seem to recall from my Autocad days that Gerber is a file  
> format used to control a Gerber plotter, perhaps also xy  
> machines for milling circuit boards? Why they want such a  
> file is a mystery to me, I thought they did this  
> photographically. Anyway, maybe somebody on the Autocad usenet  
> forums can help.  
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> Paul KB1GEJ  
>  
> On Wed, 19 Nov 2003, James Kelley wrote:  
>  
>> Group  
>> I am wanting to get a couple of circuit boards made and every  
>> manufacture I  
>> speak to wants "GERBER" files or they want BIG bucks to make them for  
>> me.  
>> I understand that the circuit boards are made from these files but I  
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>> no idea how the files are created in the first place. Is there a  
>> short cut  
>> cheap and hopefully not quite so dirty way to make gerber files????  
>> Information appreciated. Thank you Jim K4YBB  
>>  
>> James Kelley  
>> k4ybb@earthlink.net  
>> Why Wait? Move to EarthLink.  
>>  
>>  
>>  
>

-----  
Date: Wed, 19 Nov 2003 19:53:00 -0600  
From: "Jay Henson" <aj4ay@worldnet.att.net>  
To: <llachow@yahoo.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [161552] Re: K3ESE prelogue  
Message-ID: <007b01c3af09\$080cf820\$38b24a0c@aj4ay>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> I worked everyone except Tom, AC7A, on the EDZ. Tom  
> got the longwire.

Ouch!!! I bet that hurts.

Jay  
AJ4AY  
Mobile, AL  
QRPL 1372, ARCI 8131, FISTS 7917, FP -115, SOC 220

---  
Outgoing mail is certified Virus Free.  
Checked by AVG anti-virus system (<http://www.grisoft.com>).  
Version: 6.0.541 / Virus Database: 335 - Release Date: 11/14/2003

-----  
Date: Wed, 19 Nov 2003 20:56:59 -0500  
From: "Fred \ (VE3FAL\)" <flesnick@tbaytel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>,  
<qrp-canada@gpfn.sk.ca>  
Subject: [161553] N8ET QSO on 1.810.3  
Message-ID: <018501c3af09\$95d9c7f0\$7d04d3d8@flesnick>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Just had a brief chat with Bill N8ET at 0143 on 1.810.3, nice signal from Findlay, Ohio..he was 579 and I got 569, glad to see antenna is working and 5 watts does the number on 160.I will be in the 160 meter test in 2 weeks, play in this one yearly. Got my 160 meter dipole ends up at 25 feet now, last winter was only able to get them 10 feet off the ground...so here comes another QRP test from VE3FAL...

73  
Fred  
VE3FAL

-----  
Date: Wed, 19 Nov 2003 20:11:02 -0600  
From: "Sam Binkley" <sbinkley1@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161554] Re: 160 meters tonight  
Message-ID: <04cb01c3af0b\$8c005940\$a67fe344@DHT81T11>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Bill and Fred,

I copied you both 329 in Oklahoma. I don't have an antenna that will load on 160 so I didn't try calling.

73,  
Sam, KL7V/5

----- Original Message -----  
From: "Fred (VE3FAL)" <flesnick@tbaytel.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 6:13 PM  
Subject: RE: 160 meters tonight

> I will be on also, I got my 160 meter antenna all set for the test as  
> well.  
> So will listen up tonight between 8-9 pm..  
> Fred  
> VE3FAL  
>  
> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf  
> Of Bill Kelsey - N8ET - Kanga US  
> Sent: November 19, 2003 6:56 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: 160 meters tonight  
>  
> In preparation for the CQ WW CW contest coming up the last  
> weekend in November, I got a new antenna up this afternoon. I now  
> have an inverted vee for 160 up at 150'. I will be trying it out this  
> evening between about 8 and 9 pm eastern time on about 1810 - 1812  
> KHz. The rig will be the new TenTec Orion backed down to 5W.  
>  
> Hope to work a few of you!  
>  
> 73 - Bill - N8ET  
> Kanga US  
> kanga@bright.net  
> <http://www.bright.net/~kanga/>  
> 419-423-4604  
>  
>  
>  
>

-----  
Date: Wed, 19 Nov 2003 20:12:00 -0600  
From: "Dave Redfearn" <n4elm@comcast.net>  
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>  
Subject: [161555] FS: CW keyboard kit board.  
Message-ID: <000501c3af0b\$af1f21e0\$016fa8c0@Pavillion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale:

K1EL K20 CW keyboard kit.

All board mounted parts installed, works fine, ready to install into a case.

more information at: <http://www.k1el.com/>

\$25.00 + shipping from 75070

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----

Date: Wed, 19 Nov 2003 21:13:19 -0500  
From: "Tom Palmer" <n1tp@swfla.rr.com>  
To: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [161556] Re: FOX: K3ESE prelogue  
Message-ID: <000301c3af0b\$de6a10e0\$b4340843@swfla.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Lloyd, K3ESE, is the only FOX ever to publish an error free pre-log.

He did it last Winter season. It appears that Lloyd has published a aecond error free pre-log. Looks like no typos and no DUPES.

Not too sure about his spelling of "prelogue." Looks maybe like "French."

Tom, N1TP  
Naples, FL.

-----

Date: Wed, 19 Nov 2003 20:15:45 -0600

From: "Dave Redfearn" <n4elm@comcast.net>  
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>  
Subject: [161557] FS: "Sidekick" 40 M receiver kit - unbuilt  
Message-ID: <000601c3af0c\$3544de40\$016fa8c0@Pavillion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale:

40 Meter "Sidekick" kit from the Ft Smith Club.

NIB, unopened-unbuilt.

\$25.00 + shipping from 75070

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Wed, 19 Nov 2003 20:22:04 -0600  
From: "Dave Redfearn" <n4elm@comcast.net>  
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>  
Subject: [161558] FS: Norcal SMK-1 kit - unbuilt  
Message-ID: <000701c3af0d\$1764e630\$016fa8c0@Pavillion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale:

Norcal SMK-1 40 Meter transceiver kit - unbuilt.  
complete - don't have original shipping box but parts bags are unopened.  
with manual.

\$35.00 + shipping to 75070



73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----

Date: Wed, 19 Nov 2003 19:08:47 PST  
From: James R Giammanco <n5ib@juno.com>  
To: qrp-L@Lehigh.edu  
Cc: giamman@rouge.phys.lsu.edu  
Subject: [161559] ARRL Frequency Measuring Test - results  
Message-ID: <20031119.215952.4655.2.n5ib@juno.com>

OK... I got 7050.4112 KHz and 3585.3846 kHz

How about y'all ?

72  
Jim N5IB

-----

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Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----

Date: Wed, 19 Nov 2003 22:24:37 -5  
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [161560] 160 report  
Message-ID: <3FBBEDA5.2182.10480789@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

I left my log sheet at the club, but it is safe to say the new antenna and rig are working.

QSO's from Maine to Ark. No dx on 160, but I tried out the 80m part of the new antenna and worked 9Y4 and YV1..

mni tn timer to all who called in! If I missed anyone who needs OH on 160, drop me an e-mail - I will be getting on again!

73 - Bill - N8ET  
Kanga US  
kanga@bright.net  
<http://www.bright.net/~kanga/>  
419-423-4604

-----  
Date: Wed, 19 Nov 2003 20:34:31 -0700  
From: "Thomas Kuehl" <ac7a@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [161561] Re: K3ESE prelogue  
Message-ID: <008001c3af17\$3619b970\$120110ac@texas6oef4glwm>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Lloyd,

Well, that is an interesting bit about the long wire. I started by finding W0IS barely above the noise and then worked him about 02:20. After that, it was off to find you right in the noise on 7.0416. Shortly thereafter, you completely faded out and all I could copy was a loud, noisy buzz and some stations who were not in the hunt.

Determined to stick it out, I thought I might end up listening to that noise until 04:00. Then, about 03:40, I heard one of the most amazing band transformations I've ever heard. K3ESE reappeared just above the noise and that was the first time I heard you in over an hour. That is when we QSO'ed. Across the next 5 minutes the noisy buzz dropped way off, and your signal came up Q5! You held that until the end.

These have been some tough hunts! Hats off to the FOXes.

Regards, Thomas - AC7A (Tucson)

> I worked everyone except Tom, AC7A, on the EDZ. Tom  
> got the longwire.

-----  
Date: Wed, 19 Nov 2003 22:34:53 -0500  
From: kenneth hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [161562] Changing Impedence?  
Message-ID: <3FBC365D.4050703@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Kinda stumped on this one: I have a K'wood TS-180S that has worked like a charm over the last several years. Got the shack in the basement in pretty nice shape and using the MFJ 901B tuner achieved excellent max pwr out with low swr for both the 20m and 40m dipoles up in the attic.

But the last two times I've fired up the 180S the usual settings were nowhere near correct, and I've had a terrible time getting even an approximate match for the 20m dipole: 40m so far has been impossible. Double checking the usual settings with other qrp-scale gear confirms they're right on--just the 180S has gone "flakey" (highly technical talk).

So can a transceiver change in terms of the impedance it seeks in an antenna system? And if so, can it be corrected, or rather, where would I begin to figure out what is happening?

Thanks in advance,

Ken KG4FGC

-----  
Date: Wed, 19 Nov 2003 22:55:47 -0500  
From: <bill@n4qa.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [161563] Re: More thoughts on the DDS BF0...and...how 'bout that Elecraft KX1  
Message-ID: <002201c3af1a\$2fa5a060\$4727ad80@f1n5n8>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dr MC and gang,

1965 was a VERY good year. I was the proud licensed op of ars WN4BJC.

The transmitter(and, my first QRP rig) was the Meissner Signal Shifter, model EX...with a few rocks for the 7150-7200 KC Novice segment of 40 meters.

The receiver was the RME-45...its Loctal-base 7C5 audio output tube could run more power out than most of my current QRP rigs...and that type 80 rectifier...or was it an 83... and drift...yes, plenty of that.

Actually, I'm considering pressing into 'BF0 service' one of my lesser-used AD9835-based DSWs...with appropriate mods to the DDS' output filter...

And, then, modifying the osc section of the second SA602 in my DSW-20 to accept external osc input.

IMHO, Dave's DSW-/DSW-II- series need no modifications whatsoever in order to experience hour upon hour of operating delight.

It's just that they beckon me "Bill, come modify me!" Small Wonder Labs' rigs are such versatile tools...er, I mean...rigs!

BTW, since the DSWs' BF0s are necessarily 'always-on', a setting of zero is nice for the reception of AM signals :0)

73.

Bill, N4QA

<http://www.n4qa.com>

-----  
Date: Wed, 19 Nov 2003 21:56:34 -0600

From: "George, W5YR" <w5yr@att.net>

To: <n5ib@juno.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [161564] Re: ARRL Frequency Measuring Test - results

Message-ID: <034401c3af1a\$4b563fe0\$0401a8c0@PS>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi, Jim

I got nearly the same: 7050.4107 kHz

I could only copy them on 40.

Fun, eh? Didn't even have to warm up the old BC-221 which I used for so many years as a frequency standard . . .

George, W5YR

----- Original Message -----

From: "James R Giammanco" <n5ib@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 9:08 PM  
Subject: ARRL Frequency Measuring Test - results

> OK... I got 7050.4112 KHz and 3585.3846 kHz

>

> How about y'all ?

>

> 72

> Jim N5IB

>

>

>

>

> -----  
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-----  
Date: Thu, 20 Nov 2003 03:56:51 +0000  
From: "Tom Dufresne" <tdufres@hotmail.com>  
To: n5ib@juno.com, qrp-1@Lehigh.EDU  
Subject: [161565] Re: ARRL Frequency Measuring Test tonight  
Message-ID: <BAY1-F114JagXTi8M190001a921@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Everyone:

I guess I don't quite get the test thing.....

OK SO I listened to ARRL at 0245 GMT (They were a bit late according to my watch...) I am in Lincoln, Neb. Tuned to 7.049MHz-there it was....Kind of fading in and out, I would say a "55" if I was giving a report.

Great....

Why was that so important?

What am I missing?

Tom  
KC0GXX

Gift-shop online from the comfort of home at MSN Shopping! No crowds, free parking. <http://shopping.msn.com>

-----  
Date: Wed, 19 Nov 2003 21:58:34 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <hoglund@wfu.edu>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [161566] Re: Changing Impedence?  
Message-ID: <034a01c3af1a\$92799d40\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Ken, start by using a dummy load first on the rig to see how it reacts, then on your tuner output and tune for min SWR in the coax to the rig. If all that is "normal" then the problem lies with the feedlines or antennas or both.

Just some ideas . . .

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"Starting the 58th year and it just keeps getting better!"  
w5yr@att.net

----- Original Message -----  
From: "kenneth hoglund" <hoglund@wfu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 9:34 PM  
Subject: Changing Impedence?

> Kinda stumped on this one: I have a K'wood TS-180S that has worked like  
> a charm over the last several years. Got the shack in the basement in  
> pretty nice shape and using the MFJ 901B tuner achieved excellent max  
> pwr out with low swr for both the 20m and 40m dipoles up in the attic.  
>  
> But the last two times I've fired up the 180S the usual settings were no  
> where near correct, and I've had a terrible time getting even an

> approximate match for the 20m dipole: 40m so far has been impossible.  
> Double checking the usual settings with other qrp-scale gear confirms  
> they're right on--just the 180S has gone "flakey" (highly technical talk).  
>  
> So can a transceiver change in terms of the impedance it seeks in an  
> antenna system? And if so, can it be corrected, or rather, where would I  
> begin to figure out what is happening?  
>  
> Thanks in advance,  
>  
> Ken KG4FGC  
>

-----  
Date: Wed, 19 Nov 2003 22:58:16 -0500  
From: "AI2Q" <ai2q@adelphia.net>  
To: <w5yr@att.net>,  
      "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Subject: [161567] RE: a positive sign for BPL  
Message-ID: <003401c3af1a\$87b67cc0\$7e01a8c0@hq.cmp.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You're really right George. But who cares about crtedibility on a Web thread? I'd jump in there in a heartbeat to "inform" those investors! It's called SNAFU.

But, 600 kbit/s BPL speed isn't anywhere near what will support a commercially viable Internet service in the near future. Just wait and see.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687  
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----  
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of George, W5YR  
Sent: Wednesday, November 19, 2003 3:34 PM  
To: Low Power Amateur Radio Discussion  
Subject: Re: a positive sign for BPL

Alex, what is your or my credibility in discussing ("informing") the

"financial community" about the ills of BPL?.....

-----

Date: Wed, 19 Nov 2003 21:09:16 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [161568] I Measured W1AW - ARRL Frequency Measuring Test  
Message-ID: <BBE18C7B.F8D4%JamesDuffey@comcast.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Thanks to the notification of Matt (call?) on the Saint Louis QRP Society list, I was able to take part in the ARRL (W1AW) Frequency Measuring Test (FMT) this evening.

Now, since things were a bit hectic, I only decided to take part 5 minutes before the test started, I could have done things better. No detailed test plans here. Note that for next time.

I used my TS-850SAT (10 Hz dial resolution) and a spectrum analyzer program. I tuned to the low side of zero beat and measured the frequency from the spectrum analyzer. Recorded the dial frequency. I tuned to the high side of zero beat, using the same frequency on the spectrum analyzer. recorded that dial frequency. So the measured frequency should be the low dial frequency plus half the difference between the high and low dial frequency.

Afterward I regreted not calibrating my method against a station on a known frequency like WWV. Then I realized that I could do that after the test. So I did. My measurements of WWV's frequency on 2.5, 5, and 10 MHz are a bit high on all frequencies, so I will take that into account when reporting my measured W1AW frequency to the ARRL. I suspect that WWV is on their advertised frequency, or at least that they have better frequency measuring capabilities than I do. :^)=

At first blush, I figure that my method is accurate to about 5 Hz and precise to about 5 Hz. We will see when they post the results.

I could hear W1AW on their 40 M and 80 M frequencies. I made several measurements and will take the differing measurements into account when reporting my measured frequency to the ARRL.

There are a lot of refinements that my method needs, primarily in the measurement of the zero beat frequency. I will be better prepared next time. I suspect that with the same setup I could get accuracies to a Hz or two,



with similar precision.

Did anyone else play in this fun???? - Dr. Megacycle Kk6MC/5

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65

-----  
Date: Wed, 19 Nov 2003 21:32:48 -0700  
From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: <n5ib@juno.com>  
Cc: <w5yr@att.net>, QRP-L <qrp-l@lehigh.edu>  
Subject: [161569] Re: ARRL Frequency Measuring Test - results  
Message-ID: <BBE19200.F8DD%JamesDuffey@comcast.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Jim and George - Using the same techniques, what frequency do you get for WWV at 2.5, 5, and 10 MHz? Just curious. You guys seem an order of magnitude or two below my crude techniques. How do you do it? - Dr. Megacycle KK6MC/5

-----  
James R. Duffey KK6MC/5  
Cedar Crest NM 87009 DM65

-----  
Date: Wed, 19 Nov 2003 22:38:45 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <ai2q@adelphia.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [161570] Re: a positive sign for BPL  
Message-ID: <036a01c3af20\$2fd183a0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Go get 'em, Alex!

I agree with the speed business except for guys like me "out in the country" where even DSL is unavailable. Options are satellite or wireless link which I have to a local system. Works up to 1 Mbps sometimes but usually 400-700 kbps.

But I can't see that there are enough folks in that group to sustain the huge capital investment and then the upkeep of the power line equipment. Most power companies cannot even keep wire joints, insulators, and lightning arrestors, etc. in condition much less a lot of r-f gear on every transformer, etc.

Nope, You're right: the future is in megabit and up speeds. BPL is left standing in the starting gate.

George

----- Original Message -----

From: "AI2Q" <ai2q@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, November 19, 2003 9:58 PM

Subject: RE: a positive sign for BPL

> You're really right George. But who cares about crtedibility on a Web  
> thread? I'd jump in there in a heartbeat to "inform" those investors!  
It's

> called SNAFU.

>

> But, 600 kbit/s BPL speed isn't anywhere near what will support a  
> commercially viable Internet service in the near future. Just wait and  
see.

>

> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687

> <http://users.adelphia.net/~alexmm/ai2q.htm>

>

> .-.-.

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> George, W5YR

> Sent: Wednesday, November 19, 2003 3:34 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: a positive sign for BPL

>

>

> Alex, what is your or my credibility in discussing ("informing") the  
> "financial community" about the ills of BPL?.....

>

-----

Date: Wed, 19 Nov 2003 21:01:26 -0800

From: Stephen Wandling <stephen@SwiftsureConsulting.com>  
To: unlisted-recipients;; (no To-header on input)  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [161571] ARRL Frequency Measuring Test - A Problem?  
Message-ID: <3FBC4AA6.8010802@SwiftsureConsulting.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

I did not take part in the test, but find the reports interesting. It seems that the classic transceiver problem of achieving true zerobeat is with us tonight. At least for those of us who don't have rigs with "tune" buttons.

I am returning to the hobby after a 40 year hiatus and didn't have any experience with transceivers until I bought this IC706. I have only recently come to see that the BFO offset frequency (600 Hz Default) is what I have to tune for, by ear, to achieve zerobeat. My ears aren't that good for average hearing these days, let alone detecting 600Hz. So, I am collecting the parts to build a tuning guide based on the LM567. Hopefully, this will enable me to perform an accurate zerobeat.

Stephen

-----  
Date: Wed, 19 Nov 2003 23:05:13 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <JamesDuffey@comcast.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [161572] Re: ARRL Frequency Measuring Test - results  
Message-ID: <037801c3af23\$e64d2f00\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim, I use the PR02 both as the receiver and basic frequency standard. For an audio frequency analyzer, I use DigiPan which will place a 31.25 Hz DSP filter around an incoming signal and read the frequency to the nearest 0.1 Hz. It will also track small changes in that frequency and update the display in real time.

Prior to the test and after an hour or so of warmup, I calibrated the PR02 dial against WWV on 5 MHz such that when I set my dial to 4999.000 USB, I got a tone of 1000 Hz (if the dial was exactly right and if there wasn't a fractional part of a Hz out there). Turns out the PR02 dial was reading 0.2

Hz too low, per DigiPan, so that gave me the dial calibration correction I needed.

Then I tuned in W1AW at 7049 and when I found them, I tuned for a 1000 Hz beatnote in USB. My dial setting was 7049.410 to give a 1000 Hz nominal offset. So, I knew that the frequency was roughly 7050.410.

Using DigiPan I measured the actual offset audio frequencies to the nearest 0.1 Hz. So, during the test I would observe the DigiPan delta frequency on W1AW and frequently switch back to WWV to see where the dial calibration was sitting. After several such switches I had several dial calibration deltas and several measured signal deltas.

Finally, I corrected the average dial readings by applying the average dial corrections from WWV. Then by adding the observed average delta between my corrected dial setting and the W1AW signal from DigiPan, I was able to convert the dial reading to the W1AW frequency to the nearest 0.1 Hz. A quick tune to that frequency obtained zero beat to the nearest Hz so I confirmed that I was applying the corrections in the proper direction.

Sounds complicated but actually very simple to do. This is the Famous W5YR Method for calibrating just about anything having to do with frequency and dials! <:} I use it to keep the PRO2 and the 746PRO dials to within couple of tenths of a Hz with WWV.

Just tune in WWV, say at 10 MHz, only set the dial at 9999.000 USB. If your dial is "on" the DigiPan track will be on 1000.0 exactly. Any difference is the error in dial reading. Same thing works for 10,001.000 LSB. By tuning for an offset, you get a signal that you can work with instead of trying to deal with frequencies near zero. I have cross-checked this method against true zero-beating of WWV's carrier and it is spot on.

So, Jim, to answer your question, the PROs are usually no more than 0.3 Hz at most off WWV at 10 MHz. If I am patient enough I can adjust the trimmer on either PRO and put it spot on, but it is a very tricky adjustment.

Oh, yes, one other error source is the sample rate of your sound card. Verify this by tuning in WWV in AM (to take dial calibration out of the picture) and seeing what either of the tones reads on DigiPan. On mine, for example, a 600 Hz tone will read exactly 600.0. If it did not, I would observe that error and apply it later. Most soundcards have provision for minor frequency adjustments.

Thanks for your interest and for asking!

George, W5YR

----- Original Message -----

From: "James R. Duffey" <JamesDuffey@comcast.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 10:32 PM  
Subject: Re: ARRL Frequency Measuring Test - results

> Jim and George - Using the same techniques, what frequency do you get for  
> WWV at 2.5, 5, and 10 MHz? Just curious. You guys seem an order of  
magnitude  
> or two below my crude techniques. How do you do it? - Dr. Megacycle  
KK6MC/5  
> -----  
> James R. Duffey KK6MC/5  
> Cedar Crest NM 87009 DM65  
>

-----  
Date: Wed, 19 Nov 2003 23:15:52 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <Nv4t@aol.com>, <qrp-1@lehigh.edu>  
Subject: [161573] Re: ARRL Frequency Measuring Test - results  
Message-ID: <03ec01c3af25\$60460c40\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Sure am glad ARRL resumed these tests. "In the old days" they were held more frequently and were a real challenge. The BC-221 came along and added a great deal of accuracy to it, but it still required interpolation oscillators, etc. to get down to a fraction of a Hz. Most hams today cannot imagine how primitive things were in the 40's!

Anyway, you got close, Bill - maybe closer than I did!

And I still have my BC-221!

George, W5YR

----- Original Message -----

From: <Nv4t@aol.com>  
To: <w5yr@att.net>; <qrp-1@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 10:32 PM  
Subject: Re: ARRL Frequency Measuring Test - results

> I got 7050.40 on a very old BC221, inadequately warmed up(forgot it was  
> tonite!) and after hasty repairs to the power supply(bad filter)!!!!!!

>

> It was fun anyway!

>

> 72, Bill

NV4T

>

-----  
Date: Wed, 19 Nov 2003 23:38:19 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <stephen@SwiftsureConsulting.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [161574] Re: ARRL Frequency Measuring Test - A Problem?  
Message-ID: <044401c3af28\$82309340\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yep, things have changed, Stephen, since you and I were first licensed - me  
in 1946. WE no longer adjust for actual zero frequency but rather for a zero  
\*difference\* frequency. Your device will help a lot to do that.

As a practical matter, though, I have found very little need to be concerned  
about "exact" zero beat in making a contact. With a little practice, you can  
get to where you can get "close enough" to be heard. A frequency-measuring  
test like tonight is something else, of course.

The easiest way to tune a signal is to just tune first in normal CW mode and  
then switch to CW-Reverse mode. If you are properly tuned the pitch will not  
change. If it does change your tuning until switching from CW to CW-R and  
back again does not change the beatnote.

Have fun with the new rig!

George, W5YR

----- Original Message -----

From: "Stephen Wandling" <stephen@SwiftsureConsulting.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 11:01 PM  
Subject: ARRL Frequency Measuring Test - A Problem?

> I did not take part in the test, but find the reports interesting. It  
> seems that the classic transceiver problem of achieving true zerobeat is  
> with us tonight. At least for those of us who don't have rigs with  
> "tune" buttons.  
>  
> I am returning to the hobby after a 40 year hiatus and didn't have any  
> experience with transceivers until I bought this IC706. I have only  
> recently come to see that the BFO offset frequency (600 Hz Default) is  
> what I have to tune for, by ear, to achieve zerobeat. My ears aren't  
> that good for average hearing these days, let alone detecting 600Hz.  
> So, I am collecting the parts to build a tuning guide based on the  
> LM567. Hopefully, this will enable me to perform an accurate zerobeat.  
>  
> Stephen  
>

-----  
Date: Thu, 20 Nov 2003 05:53:23 -0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161575] Re: HELP PLEASE: Gerber Files  
Message-ID: <LAW15-DAV711VRIjn04000058a1@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: "Paul Mills" <quahog@localnet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, November 20, 2003 12:41 AM  
Subject: Re: HELP PLEASE: Gerber Files

> Hi James,  
>  
> I seem to recall from my Autocad days that Gerber is a file  
> format used to control a Gerber plotter, perhaps also xy  
> machines for milling circuit boards? Why they want such a  
> file is a mystery to me, I thought they did this  
> photographically. Anyway, maybe somebody on the Autocad usenet  
> forums can help.

Gerber files are generated by PCB CAD packages and used by PCB suppliers as

input to laser plotters for generating the PCB artwork. Suppliers also require Excellon drill files, needed to control the machine for drilling the holes in the PCB. These are also generated by the PCB package.

73, Leon

--

Leon Heller, G1HSM

Email: aqzfl3@dsl.pipex.com

[http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

-----

Date: Thu, 20 Nov 2003 00:49:33 -0600

From: "pschweit" <pschweit@mninter.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [161576] Optimal takeoff angles

Message-ID: <002c01c3af32\$763de7e0\$1ee6add1@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Question

what would (in reality) be an excellent takeoff angle for good propigation?

de K0CD

rob

-----

Date: Thu, 20 Nov 2003 18:01:18 +0900 (JST)

From: =?euc-kr?q?=B9=DA=20=B1=D4=C8=A3?= <peyukr@yahoo.co.kr>

To: qrp-l <qrp-l@lehigh.edu>

Cc: peyukr@yahoo.co.kr

Subject: [161577] MV2107,2109 datasheet

Message-ID: <20031120090118.8938.qmail@span.corp.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=euc-kr

Content-Transfer-Encoding: 8bit

Hello?

It's Park.

I am looking for the MV2107,MV2109 Datasheet.

and could not find these on the web.

Anyone have PDF files of these varactors ??

Any supports will be OK.



73

HL2DUS Park.  
peyukr@yahoo.co.kr

-----  
- !  
http://mail.yahoo.co.kr  
, , - !  
http://autos.yahoo.co.kr/autos/  
-----

Date: Thu, 20 Nov 2003 05:42:12 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: AI2Q <ai2q@adelphia.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [161578] RE: a positive sign for BPL  
Message-ID: <20031120053956.W39246-100000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Nov 2003, AI2Q wrote:

> Hello Joel:  
>  
> In a nutshell, the Rules necessitate that the Amateur Service operate in the  
> "Public Interest, Convenience, and Necessity," aka PICON.  
>  
> There is nary a mention of anything hobby related.

And that's why, whether we like it or not, it's important to be active  
in some sort of activity that places Amateur Radio in a mode that  
complies to PICON.

If we don't then we're not living up to the condidtions of the license  
grant.

Thom

baltimoremd@baltimoremd.com  
<http://www.baltimoremd.com/>  
<http://www.baltimorehon.com/>  
<http://www.zerobeat.net>  
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster  
Baltimore's Home Page  
Home of the Baltimore Lexicon  
Home of The QRP Web Ring and DrakeList  
Web Hosting as low as \$3.49/month

-----

Date: Thu, 20 Nov 2003 06:15:09 -0600  
From: "Jim Sheldon" <w0eb@cox.net>  
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>  
Subject: [161579] RE: More thoughts on the DDS BFO...and...how 'bout that Elecraft KX1 ?  
Message-ID: <IBEGLCMLCDHHEFLBPHBOIEPJCOAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi gang,

After seeing the start of this thread, I decided to check my DSW-II-20 and see if there was any noticeable drift from turn on. The first test was with the rig in my shack which is a fairly temeperature stable environment. I keep it around 70 degrees in the winter and 78 degrees in the summer. I warmed up my DDS signal generator for an hour to insure that it was very stable (it doesn't drift more than 1 hz from a cold start @ 70 degrees F.) I then set it to 14.035 (the DSW's last used frequency - I use a DSWK chip from Jackson Harbor Press with frequency memories in it instead of the DSW's original PIC). I turned on the DSW-II using the same battery supply (12V 12AH gel cell) and by ear, the tone did not change from turn-on till I got tired of listening to it about 5 minutes later. Next, I put the rig in the refrigerator and cooled it down for approximately 5 minutes. I took it outside (50 degrees F) and performed the same test. I didn't notice enough change in the tone to believe there was any sort of problem. It was completely stable inside of 1 minute and remained so throughout the remaining 5 minutes. I don't see where a DDS BFO is even necessary on the II, other than possibly selecting sidebands. This would be about the only reason I could think of to do such a thing. I can't speak for the earlier DSW series as I've only seen one, not operated it. I'm currently experimenting with the DDS daughter card put out by the AMQRP club a while back, with the idea of eventually building a 75 meter DDS controlled SSB transceiver from KD1JV's plans on his website. This is a very long term project, as I don't have a lot of money to spend on it right now, and it has had to take a back seat to more important things like keeping food on the table - :-)

Jim - W0EB

Wichita, KS

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John Meade

Sent: Wednesday, November 19, 2003 7:37 PM

To: Low Power Amateur Radio Discussion

Subject: Re: More thoughts on the DDS BFO...and...how 'bout that Elecraft KX1 ?

I just turned on the KX1 and the pitch of the station that happened to be on that frequency has not changed in the past 30 mins. I see a small difference in the BFO circuits: The KX1 has an inductor and no variable capacitor, and the DSW-II has a variable capacitor and no inductor. But I don't know if that means anything.

72,

John W2XS

-----  
Date: Thu, 20 Nov 2003 08:48:52 +0000  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-1@Lehigh.EDU  
Subject: [161580] Experimenter Tools CW ops can enjoy too.  
Message-ID: <20031120.085002.-366313.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Experimenter / SWL / Beacon / Clandestine types use a raster display tool like

ARGO and EasyGram that you CW OPs may like to try.

Free (for amateur use) downloads designed for QRSS es EME (gQqgle will point you to a bunch more) have very flexible options (BW, sweep speeds, sampling rates, screen capture, sound capture, etc). SpectrumLab (again free, very, very powerful but stiff learning curve) comes with BITE ! ! !

The raster display is a gQqd CW tool that can lQqk at click, chirp, splatter and that all elusive 'first short bit' key closure ///

Want to 'see' Doppler . . .

lQqk at two meter satellite freqs with a raster display ///

See what you do not hear when that AGC action from a strong signal works on adjacent signals ///

Interesting display for those FREQ TESTs too ///

John  
N3AAZ

00TC  
FM 19 xa

-----  
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-----  
Date: Thu, 20 Nov 2003 06:25:32 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: "George, W5YR" <w5yr@att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [161581] Re: ARRL Frequency Measuring Test - results  
Message-ID: <Pine.LNX.4.44.0311200622190.4700-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 19 Nov 2003, George, W5YR wrote:

> Hi, Jim  
>  
> I got nearly the same:        7050.4107 kHz  
>  
> I could only copy them on 40.  
>  
> Fun, eh? Didn't even have to warm up the old BC-221 which I used for so many  
> years as a frequency standard . . .

OK George, Tell me how you did it. I don't have any ideas how to  
do it. I guess I would have a stable oscillator that I would beat with  
w1aw and then measure the oscillator with my counter. Don't know if this  
will even work.

>  
> George, W5YR  
>  
> ----- Original Message -----  
> From: "James R Giammanco" <n5ib@juno.com>  
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> Sent: Wednesday, November 19, 2003 9:08 PM  
> Subject: ARRL Frequency Measuring Test - results  
>  
>  
> > OK... I got 7050.4112 KHz and 3585.3846 kHz  
> >

> > How about y'all ?  
> >  
> > 72  
> > Jim N5IB  
> >  
> >  
> >  
> >  
> > -----  
> > The best thing to hit the internet in years - Juno SpeedBand!  
> > Surf the web up to FIVE TIMES FASTER!  
> > Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!  
>  
>  
  
--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Thu, 20 Nov 2003 08:32:28 -0500  
From: "John Shannon" <[jsk3wwp@alltel.net](mailto:jsk3wwp@alltel.net)>  
To: "QRP Mail List" <[qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)>  
Subject: [161582] Zero Beat Device  
Message-ID: <001101c3af6a\$c48a54a0\$832766a6@alltel.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Stephen mentioned a zero beat device. There is a schematic for such a device on my web site in my CW section - Zero Beat Ckt page if anyone else is interested. It uses the LM567 IC and about a dozen other easy to find parts.

~~~~~  
73 - John, K3WWP - 100% CW & QRP  
using simple wire antennas.

<http://home.alltel.net/johnshan/>

My website is now in its eighth year  
of operation and includes the following:

DX QSL Routes \*\* Operating Tips  
QRP Rigs Info \*\* CW Contest Calendar  
Daily Propagation Info \*\* Your CW Stories  
Teens and CW \*\* Monthly polls

Categorized Quality Links \*\* MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2002

-----  
Date: Thu, 20 Nov 2003 07:35:16 -0600  
From: "Dave Redfearn" <n4elm@comcast.net>  
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>  
Subject: [161583] RE: "Sidekick" 40 M receiver kit - unbuilt  
Message-ID: <000401c3af6b\$23271070\$016fa8c0@Pavillion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Spoken for/Sold:

40 Meter "Sidekick" kit from the Ft Smith Club.

Thanks for the response.

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Thu, 20 Nov 2003 08:39:50 -0500  
From: John Sielke <jsielke@pobox.com>  
To: qrp-1@lehigh.edu  
Subject: [161584] Bands Dead...again!  
Message-ID: <3FBCC426.8070803@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Got up around 7AM local, and as usual, turned on the rig to see if any juicy DX around before starting morning chores. "Oops, I guess I left the antenna grounded..."

Nope, antenna is not grounded, have right rig switched in, lets try:

1. Different rig
2. Different antenna.

Nothing! Nada...

Then I saw the "e-alert" K index of 7.

You know, I have been through a couple of solar cycles, but I don't remember this much really cruddy conditions for so long. Either my memory is going from too many solar cycles, or this past few months have been really bummers!

Enough to make you try Echolink or some such foolishness....(grumble,grumble).

John W2AGN (breaking out the old soldering iron)

-----  
Date: Thu, 20 Nov 2003 08:42:20 -0500  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [161585] Re: a positive sign for BPL  
Message-ID: <3FBCC4BC.CC5DB455@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi George,

George, W5YR wrote:

> Alex, what is your or my credibility in discussing ("informing") the  
> "financial community" about the ills of BPL?  
>  
> Why should any investor listen to either of us? I have no creditable  
> evidence or any way to gather any which says that BPL will \*not\* be a  
> moneymaker. I personally don't think that it will, should it ever come  
> to pass, once the power companies fully appreciate their costs to make it

> happen.

Investing is trying to predict the future with the knowledge you have today. This knowledge is more often than not, not based on credible evidence, but mostly on expectations. (If there would be credible evidence of a particular stock increasing or decreasing in value some time in the future, you may have an insider trading case on your hands. But that would lead to a discussion on what we consider "credible evidence" and if the evidence (knowledge) was public or not.)

The BPL industry will be doing their best to make (potential) investors think that their companies will become high yield investments, again, without credible evidence, just expectations. They will (and probably have, I think I saw one BP proposal) hire companies with very recognizable names to help them with their business plan, how to present where they will be positioning in the broadband market etc., so they can use these names. You could supplement the knowledge a (potential) investor has by sharing your knowledge, your opinion, even your gut feeling. Whatever you have to say on the subject in that discussion may be a contributing factor in the decision of whether or not to invest in a particular stock. Having the word "controversy" being associated to BPL could be beneficial. BPL technology is controversial. We know it, now investors need to know it so they can make an informed decision.

I don't know why anyone would listen to what I have to say, but I do know that they will certainly not listen if I don't speak. I leave the decision to listen or to act to the person I speak to, without pondering why (which I probably should).

Of course, all of the above is just my opinion on how I think this world works.

I have no credentials whatsoever, so I probably shouldn't even have entered the discussion on this list. I'm merely an observer and student.

73,

--Alex KR1ST

-----  
Date: Thu, 20 Nov 2003 07:47:32 -0600  
From: "Dave Redfearn" <n4elm@comcast.net>  
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>  
Subject: [161586] SOLD - CW keyboard kit board.  
Message-ID: <000601c3af6c\$d9761870\$016fa8c0@Pavillion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"



Content-Transfer-Encoding: 7bit

Spoken for/Sold:

K1EL K20 CW keyboard kit.

Thanks for the response

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Thu, 20 Nov 2003 07:55:11 -0600  
From: "Dave Redfearn" <n4elm@comcast.net>  
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>  
Subject: [161587] SOLD - Norcal SMK-1 kit - unbuilt  
Message-ID: <000801c3af6d\$eb2878a0\$016fa8c0@Pavillion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Spoken for/Sold:

Norcal SMK-1 40 Meter transceiver kit - unbuilt.

Thanks for the response

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKcomcast.net (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Thu, 20 Nov 2003 08:57:59 -0500  
From: "Ken Newman" <n2cq@dandy.net>

To: "List QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>,  
"K8NI Norm Into" <normk8ni@neo.rr.com>,  
Subject: [161588] [CONTEST] N2CQ QRP Contest Calendar Nov 22-31, 2003  
Message-ID: <02f901c3af6e\$526574f0\$59ea80d1@kensdell>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
November 22-30, 2003  
~~~~~

40 METER FOXHUNT - Wednesday 0200z to 0400z (Tue eve USA)  
Info: <http://www.cqc.org>

Truffle Hunt - 30 min before Fox Hunt  
Info: [http://fpqrp.com/pig\\_hunt.html](http://fpqrp.com/pig_hunt.html)  
~~~~~

LZ DX CONTEST (CW) ... QRP Category  
Nov 22, 1200z to Nov 23, 1200z  
Rules: <http://www.qsl.net/lz1fw/contest/>  
~~~~~

CQ World Wide DX Contest (CW) ... QRP Category!  
Nov 29, 0000z to Nov 30, 2400z  
Rules: <http://www.cq-amateur-radio.com/>  
~~~~~

Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others  
for assistance in compiling this calendar.

Please forward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.  
Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)  
72 de  
Ken Newman - N2CQ  
N2CQ@ARRL.NET

<http://www.amqrp.org/contesting/contesting.html>  
<http://www.n3epa.org/Pages/Contest/contest.htm>

-----  
Date: Thu, 20 Nov 2003 07:59:06 -0600  
From: Mark Milburn <mark.milburn@ispwest.com>

To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [161589] Iowa QRP Club CW Net  
Message-ID: <3FBCC8AA.D709CD60@ispwest.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for those who turned out for the Iowa CW Net Wednesday night.  
They were:

KQ0I	Mark	Iowa
WA0ITP	Terry	Iowa
AA0XJ	Jim	Iowa
NI0I	Tom	S.D.
WA8BXN	Mike	Ohio
NT0Q	Kurt	S.D.

Conditions were a little "iffy". Mike was a tough copy from Ohio, and the Iowa guys were medium to good, but the South Dakota guys were coming into Des Moines very strong. Good to hear you all.

72 Mark KQ0I  
Des Moines, Iowa

-----  
Date: Thu, 20 Nov 2003 07:06:19 -0700  
From: "Rod N0RC" <rc7039-hr@yahoo.com>  
To: "qrp-l" <qrp-l@Lehigh.EDU>, <elecraft@mailman.qth.net>  
Subject: [161590] Stromy [space] weather.... :-)  
Message-ID: <032201c3af6f\$7ac13960\$6501a8c0@greyrock>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

Here is a nice summary story about the intense "space weather" we recently experienced:

[http://science.nasa.gov/headlines/y2003/12nov\\_haywire.htm](http://science.nasa.gov/headlines/y2003/12nov_haywire.htm)

Be prepared for another episode. The same giant sunspots that caused all the trouble have rotated all the way around the sun, and are reappearing! More info at:

<http://www.spaceweather.com>

73, Rod N0RC

-----  
Date: Thu, 20 Nov 2003 09:21:19 -0500  
From: John Sielke <jsielke@pobox.com>  
To: qrp-l@lehigh.edu  
Subject: [161591] Re: Zero Beat Device  
Message-ID: <3FBCCDDF.6080901@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

> Stephen mentioned a zero beat device. There is a schematic for such a device  
> on my web site in my CW section - Zero Beat Ckt page if anyone else is  
> interested. It uses the LM567 IC and about a dozen other easy to find parts.

I have had good luck just using Spectrogram. I put the marker to  
correspond to my CW offset, and then line up the received signal on the  
same spot.

~~~~~  
73 - John, W2AGN - 90% CW & QRP  
using best antennas I can.

<http://w2agn.net/>

My website is now in its tenth year  
of operation and includes the following:

QRP Rigs Info \*\* CW Contest Calendar from N2CQ  
Daily Propagation Info \*\* My Ham Story  
Pictures of Station \*\* Monthly poll  
Lot of Links \*\* No whining about poor QTH  
MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2781

~~~~~  
-----

Date: Thu, 20 Nov 2003 08:21:00 -0600  
From: "sjolin" <sjolin@swbell.net>  
To: <pschweit@mninter.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161592] Re: Optimal takeoff angles  
Message-ID: <04fd01c3af71\$86bec3c0\$78d1fea9@DaveSjolin>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "pschweit" <pschweit@mninter.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, November 20, 2003 12:49 AM  
Subject: Optimal takeoff angles

> what would (in reality) be an excellent takeoff angle for good  
propagation?

Depends. What band? What kind of propagation? (e-layer, f-layer, multi-hop)  
What do you want to work? You will want higher take off angle for closer in  
stations and lower angle for dx.

73 de Dave, N0IT

-----  
Date: Thu, 20 Nov 2003 09:25:47 -0500 (Eastern Standard Time)  
From: "Pastor-kc1di" <elbc2@gwi.net>  
To: <pschweit@mninter.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161593] Re: Optimal takeoff angles  
Message-ID: <3FBCCEEB.000001.03760@DOR>  
MIME-Version: 1.0  
Content-Type: Text/Plain  
Content-Transfer-Encoding: quoted-printable

=0D

=0D

-----Original Message-----=0D

=0D

From: pschweit@mninter.net=0D

Date: Thursday, November 20, 2003 07:06:04=0D

To: Low Power Amateur Radio Discussion=0D  
Subject: Optimal takeoff angles=0D  
=0D  
Question=0D  
=0D  
what would (in reality) be an excellent takeoff angle for good propigatio=  
n?=0D  
=0D  
de K0CD=0D  
rob=0D  
=0D  
Hi Rob,=0D  
=0D  
Depends on what you want to do and what band your on as a general rule =  
for  
DX 20 degrees and below is great. But on bands like 80 ,40, 30 high angl=  
e  
sometimes works also.. if your talking local on 80/ 160m you want betw=  
een  
45 and 90 degree angles.. But the Ionosphere is funny at times. Best b=  
et  
here has alway been some sort of combination Which for overall operating=  
it  
s hard to be a dipole up about 1/2 wave .. on the lower bands where this =  
is  
not always possible. a vertical and a horizontal combination works well..=  
I  
ve used inverted L's with good sucess but again it depends on what your  
trying to accomplish , that's the questine you need to asks first.=0D  
=0D  
73 Dave kc1di =0D  
=0D  
=0D  
=0D  
=2E

-----  
Date: Thu, 20 Nov 2003 08:26:34 -0600 (CST)  
From: Dale Botkin <dale@botkin.org>  
To: Thom LaCosta <baltimoremd@baltimoremd.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [161594] RE: a positive sign for BPL  
Message-ID: <Pine.LNX.4.33.0311200823190.18026-1000000@madmax.botkin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Nov 2003, Thom LaCosta wrote:

> And that's why, whether we like it or not, it's important to be active  
> in some sort of activity that places Amateur Radio in a mode that  
> complies to PICON.  
>  
> If we don't then we're not living up to the conditions of the license  
> grant.

(b) Continuation and extension of the amateur's proven ability to  
contribute to the advancement of the radio art.

That's my personal favorite, along with:

(d) Expansion of the existing reservoir within the amateur radio service  
of trained operators, technicians, and electronics experts.

and maybe some:

(e) Continuation and extension of the amateur's unique ability to enhance  
international goodwill.

73,

Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.  
PicoKeyer Analog with pot speed control now available! Or add  
memory and more to your Rock-Mite -- <http://www.hamgadgets.com>

-----  
Date: Thu, 20 Nov 2003 14:32:35 GMT  
From: Kevin Anderson <k9iua@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [161595] Re: ARRL Frequency Measuring Test - results  
Message-ID: <20031120.063332.849.686975@webmail06.lax.unttd.com>  
Mime-Version: 1.0  
Content-Type: text/plain

A positive benefit for those who participate in the  
frequency measuring test (I'm not because I don't have  
a home station set up at the moment, nor rigs with  
displays any better than 100 hz) is that one will  
definitely learn how the display offset is set for  
their particular rig.

You want to report the transmitted signal frequency,

not your rigs displayed receive frequency, which can easily be off. (For instance, my Ten Tec Scout actually transmits CW 600 hz or so off from what is displayed when I'm receiving. This display flickers as I key the rig and the offset is removed for transmitting.)

George's process for seeking out a 1000 Hz tone is definitely the better way to make sure you know what is up. Besure to check CW-reverse if you have it.

Cheers/73,  
Kevin, K9IUA

\* \* \* \* \*  
Kevin Anderson, K9IUA, Dubuque IA  
k9iua (at) juno (dot) com  
\* \* \* \* \*

-----  
The best thing to hit the internet in years - Juno SpeedBand!  
Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Thu, 20 Nov 2003 09:48:59 -0500 (EST)  
From: Thom LaCosta <baltimoremd@baltimoremd.com>  
To: Dale Botkin <dale@botkin.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [161596] RE: a positive sign for BPL  
Message-ID: <20031120094553.V59330-1000000@unix1.vhost.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 20 Nov 2003, Dale Botkin wrote:

> On Thu, 20 Nov 2003, Thom LaCosta wrote:  
>  
> > And that's why, whether we like it or not, it's important to be active  
> > in some sort of activity that places Amateur Radio in a mode that  
> > complies to PICON.  
> >  
> > If we don't then we're not living up to the condidtions of the license  
> > grant.  
>  
> (b) Continuation and extension of the amateur's proven ability to  
> contribute to the advancement of the radio art.

Yep...but not many of us do it, and a lot of the contributions are



self-serving.

>

> That's my personal favorite, along with:

>

> (d) Expansion of the existing reservoir within the amateur radio service  
> of trained operators, technicians, and electronics experts.

Great...but to the general public, of what use are all those folks?

>

> and maybe some:

>

> (e) Continuation and extension of the amateur's unique ability to enhance  
> international goodwill.

Right

All good and noble things...but most likely not viewed by the general public as worth not having their internet access, or their touch lamps, or their tv programs.

Thom

baltimoremd@baltimoremd.com  
<http://www.baltimoremd.com/>  
<http://www.baltimorehon.com/>  
<http://www.zerobeat.net>  
<http://www.tlchost.net>

Thom LaCosta K3HRN Webmaster  
Baltimore's Home Page  
Home of the Baltimore Lexicon  
Home of The QRP Web Ring and DrakeList  
Web Hosting as low as \$3.49/month

-----  
Date: Thu, 20 Nov 2003 08:49:58 -0600  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-l@lehigh.edu  
Subject: [161597] Re: ARRL Frequency Measuring Test - results  
Message-ID: <3.0.1.32.20031120084958.0091b820@baton.phys.lsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Dr. Megacycle wrote:

>Jim and George - Using the same techniques, what frequency do you get for  
>WWV at 2.5, 5, and 10 MHz? Just curious. You guys seem an order of magnitude  
>or two below my crude techniques. How do you do it? - Dr. Megacycle KK6MC/5

-----snip-----

W1AW was at 7050.4112 KHz and 3585.3846 kHz

By definition, I got 10.000000 MHz for WWV there, since I zero beat WWV and forced my DDS signal generator (Trevor's, KG6CYN, design) to read 10.000000 right there. Then I tuned as close to zero beat with W1AW as possible in the 1 Hz steps the generator can provide. I turned off the AGC on the K2 and used a 600 Hz filter setting in CW mode. W1AW was tuned to produce the nominal 700 Hz CW pitch. Using a universal solvent flooded bilateral carbon-based omnidirectional pressure-to-emf transducer (pair of ears - dewaxed - hi) I closed in on W1AW as close as the 1 Hz increment allowed, then timed the number of audible beats in a ten second interval to estimate the fractional Hz.

But, Jim's question prompted me to realize that I didn't think to "measure" WWV at 5 MHz and perhaps 15 MHz to possibly interpolate a correction factor for the DDS tracking. We'll see how close I got when they post the results after 19 December.

I suspect that while I'm publishing 0.1 Hz precision, that's no doubt false precision, and my real accuracy is more like +/- 2 Hz. Still, if it turns out to be even as good as +/- 2 Hz that would be ~0.3 parts-per-million, and that's not too shabby for less than one hectobuck worth of equipment (ten sawbucks for the metrically challenged - hi). Given that I spend a fair amount of time in class trying to get physics students to understand precision, accuracy, and uncertainty, this was a fun exercise. Hmmm, maybe the next FMT could be assigned as homework..... can students still find tar and feathers? :^))

72

Jim, N5IB

who still won't venture very close to the band edges :^))

-----  
Date: Thu, 20 Nov 2003 08:54:55 -0600  
From: KD5NWA <KD5NWA@cbayona.com>  
To: hoglund@wfu.edu  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [161598] Re: Changing Impedence?  
Message-ID: <809ECEDF-1B69-11D8-8875-0050E4663E6C@CBayona.com>  
Mime-Version: 1.0 (Apple Message framework v606)  
Content-Type: text/plain; charset=US-ASCII; format=flowed  
Content-Transfer-Encoding: 7bit

I would look at your antenna and feed closely.

On Nov 19, 2003, at 9:34 PM, kenneth hoglund wrote:

> Kinda stumped on this one: I have a K'wood TS-180S that has worked  
> like a charm over the last several years. Got the shack in the  
> basement in pretty nice shape and using the MFJ 901B tuner achieved  
> excellent max pwr out with low swr for both the 20m and 40m dipoles up  
> in the attic.  
>  
> But the last two times I've fired up the 180S the usual settings were  
> no where near correct, and I've had a terrible time getting even an  
> approximate match for the 20m dipole: 40m so far has been impossible.  
> Double checking the usual settings with other qrp-scale gear confirms  
> they're right on--just the 180S has gone "flakey" (highly technical  
> talk).  
>  
> So can a transceiver change in terms of the impedance it seeks in an  
> antenna system? And if so, can it be corrected, or rather, where would  
> I begin to figure out what is happening?  
>  
> Thanks in advance,  
>  
> Ken KG4FGC  
>  
>  
KD5NWA  
Cecil

-----  
Date: Thu, 20 Nov 2003 15:05:46 +0000 (UTC)  
From: Paul Mills <quahog@localnet.com>  
To: pschweit <pschweit@mninter.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [161599] Re: Optimal takeoff angles  
Message-ID: <Pine.LNX.4.53.0311201435490.148@daystar.localnet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I wish that the answer were as brief as the question.  
Propagation as a 'science' seems to be more metaphysics than  
physics. Anyway, takeoff angles from 0-20 degrees will give you  
the best chances.

There are tables in the antennas section of the ARRL Handbook  
that list angles for DX work, listed by origin, destination and  
band. I'm pretty sure that anybody with a sliderule and high  
school math could figure these tables, but major lobe angles  
like these in the real world may take more antenna mojo than  
many of us can achieve. Low wire antennas and unknown ground

parameters have me in the dark as to what T0 angles I have from here.

The tables list an optimum angle from here (northeast) to Europe as 5deg on 10 meters, yet when 10 is open I get consistent s10+ reports from eastern Europe, Italy, Israel, etc., with <100 watts from 30 year old 6146's to a wire dipole at 35'.

Experiment!!! Antennas are fun to mess around with, and in fact are the one part of a ham radio system that the user can easily home-brew and modify. I get 500' rolls of #18 stranded copper from Home Depot to experiment with. There are dipoles and horizontal loops and inverted L and G5RV and vertical wires....

Have fun.

Paul KB1GEJ

On Thu, 20 Nov 2003, pschweit wrote:

> Question  
>  
> what would (in reality) be an excellent takeoff angle for good propigation?  
>  
> de K0CD  
> rob  
>  
>

-----

Date: Thu, 20 Nov 2003 10:53:43 -0500  
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>  
To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>  
Subject: [161600] RE: a positive sign for BPL  
Message-ID: <721D3436A7C2B344A301FD4A413C71A90251209F@kosh.arrlhq.org>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

If any of you all are one of the two or three hams on that discussion = board, email me.

73,=20  
Ed Hare, W1RFI  
ARRL Lab

225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: w1rfi@arrl.org  
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: AI2Q [mailto:ai2q@adelphia.net]

> Sent: Wednesday, November 19, 2003 10:58 PM

> To: Low Power Amateur Radio Discussion

> Subject: RE: a positive sign for BPL

>=20

>=20

> You're really right George. But who cares about crtedibility on a Web

> thread? I'd jump in there in a heartbeat to "inform" those=20

> investors! It's

> called SNAFU.

>=20

> But, 600 kbit/s BPL speed isn't anywhere near what will support a

> commercially viable Internet service in the near future. Just=20

> wait and see.

>=20

> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687

> <http://users.adelphia.net/~alexmm/ai2q.htm>

>=20

> .-.-.

>=20

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU=20

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> George, W5YR

> Sent: Wednesday, November 19, 2003 3:34 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: a positive sign for BPL

>=20

>=20

> Alex, what is your or my credibility in discussing ("informing") the

> "financial community" about the ills of BPL?.....

>=20

>=20

-----  
Date: Thu, 20 Nov 2003 10:28:58 -0600

From: "George, W5YR" <w5yr@att.net>

To: <kr1st@amsat.org>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [161601] Re: a positive sign for BPL  
Message-ID: <00c501c3af83\$69cfaba0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Alex, it was not my intent to appear to be criticizing you for your suggestion or for implying that you were not capable of making the "facts" known. I apologize for any personal implications to the posting.

My younger son is a professional portfolio manager and he both operates and is active on several investor chat boards. I was basing my opinions on his comments about all the "noise" that appears on the boards; i.e., "facts" about companies and situations from individuals without any credentials or background to make their comments of interest or have any meaning. Everyone has an opinion and most savvy investors learn early on to separate the wheat from the chaff.

I personally think that the worst thing that could happen is for a bunch of hams to hit these boards, for example, with a lot of factual but still apparently whining sob stories about how BPL is going to ruin their hobby, as well as crush the entire community of HF spectrum users. The instant the word "amateur" or "ham" is used, the typical investor will, in my view, discount anything further as unprofessional and of little merit. The general public, in fact, probably would in the ratio of 9/10 associate ham radio with CB.

Thus, I heartily agree with Ed Hare. Let the credentialed sources carry the ball - ARRL and Ed with his factual measurements - and let us Joe Hams cross our fingers and trust our representatives - the ARRL - to do their job and work closely with NTIA and others to bring a quiet, acceptable halt to this nonsense.

Again, I intended no reflection upon you personally, Alex. I am no more qualified than the next guy to be giving advice, but it occurred to me upon reading your posting that, as Ed implies, we run the risk of undoing as much as doing.

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"Starting the 58th year and it just keeps getting better!"  
w5yr@att.net

----- Original Message -----

From: "Alex" <kr1st@amsat.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 20, 2003 7:42 AM

Subject: Re: a positive sign for BPL

> Hi George,

>

> George, W5YR wrote:

>

> > Alex, what is your or my credibility in discussing ("informing") the

> > "financial community" about the ills of BPL?

> >

> > Why should any investor listen to either of us? I have no creditable  
> > evidence or any way to gather any which says that BPL will \*not\* be a  
> > moneymaker. I personally don't think that it will, should it ever come  
> > to pass, once the power companies fully appreciate their costs to make  
it

> > happen.

>

> Investing is trying to predict the future with the knowledge you have  
> today. This knowledge is more often than not, not based on credible  
> evidence, but mostly on expectations. (If there would be credible  
> evidence of a particular stock increasing or decreasing in value some  
> time in the future, you may have an insider trading case on your hands.  
> But that would lead to a discussion on what we consider "credible  
> evidence" and if the evidence (knowledge) was public or not.)

>

> The BPL industry will be doing their best to make (potential) investors  
> think that their companies will become high yield investments, again,  
> without credible evidence, just expectations. They will (and probably  
> have, I think I saw one BP proposal) hire companies with very  
> recognizable names to help them with their business plan, how to present  
> where they will be positioning in the broadband market etc., so they can  
> use these names. You could supplement the knowledge a (potential)  
> investor has by sharing your knowledge, your opinion, even your gut  
> feeling. Whatever you have to say on the subject in that discussion may  
> be a contributing factor in the decision of whether or not to invest in  
> a particular stock. Having the word "controversy" being associated to  
> BPL could be beneficial. BPL technology is controversial. We know it,  
> now investors need to know it so they can make an informed decision.

>

> I don't know why anyone would listen to what I have to say, but I do  
> know that they will certainly not listen if I don't speak. I leave the  
> decision to listen or to act to the person I speak to, without pondering

> why (which I probably should).  
>  
> Of course, all of the above is just my opinion on how I think this world  
> works.  
> I have no credentials whatsoever, so I probably shouldn't even have  
> entered the  
> discussion on this list. I'm merely an observer and student.  
>  
> 73,  
> --Alex KR1ST

-----  
Date: Thu, 20 Nov 2003 10:35:35 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: <k5di@zianet.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [161602] Re: ARRL Frequency Measuring Test - results  
Message-ID: <00df01c3af84\$53998620\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Karl, I forwarded to you a copy of my posting describing the method I used .  
. . let me know if you have any questions.

The problem with counters is that most of them, unless very well calibrated  
and left on 24/7, can seldom be closer than one Hz under the best of  
conditions. I have three and like a man with three watches, I never know the  
time (frequency ) or can decide which is correct.

But, I can get my PR02 within one-tenth of a Hz of WWV and use it measure  
frequency. Much better than any of my counters!

George

----- Original Message -----  
From: "Karl Larsen" <k5di@zianet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, November 20, 2003 7:25 AM  
Subject: Re: ARRL Frequency Measuring Test - results

> On Wed, 19 Nov 2003, George, W5YR wrote:  
>  
> > Hi, Jim



> >  
> > I got nearly the same: 7050.4107 kHz  
> >  
> > I could only copy them on 40.  
> >  
> > Fun, eh? Didn't even have to warm up the old BC-221 which I used for so many  
> > years as a frequency standard . . .  
>  
> OK George, Tell me how you did it. I don't have any ideas how to  
> do it. I guess I would have a stable oscillator that I would beat with  
> w1aw and then measure the oscillator with my counter. Don't know if this  
> will even work.  
>  
>  
> >  
> > George, W5YR  
> >  
> > ----- Original Message -----  
> > From: "James R Giammanco" <n5ib@juno.com>  
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
> > Sent: Wednesday, November 19, 2003 9:08 PM  
> > Subject: ARRL Frequency Measuring Test - results  
> >  
> >  
> > > OK... I got 7050.4112 KHz and 3585.3846 kHz  
> > >  
> > > How about y'all ?  
> > >  
> > > 72  
> > > Jim N5IB  
> > >  
> > >  
> > >  
> > > -----  
> > > The best thing to hit the internet in years - Juno SpeedBand!  
> > > Surf the web up to FIVE TIMES FASTER!  
> > > Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!  
> >  
> >  
>  
> --  
>  
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -  
>

-----

Date: Thu, 20 Nov 2003 11:46:42 -0500  
From: "Armin Hachmer" <armin@muskoka.com>  
To: <n4bp@bellsouth.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161603] Re: NorCal Paddle Contacts  
Message-ID: <00d901c3af85\$e130f8a0\$3a6c7bd8@muskoka.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Bob Patton:  
I emailed you direct but no response.  
I have 2 i can spare. Send me your address.

Armin near MacTier  
in Central Ontario  
VE3TEQ-VA3YB  
72.599

----- Original Message -----

From: "Bob Patten" <n4bp@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Monday, November 17, 2003 10:01 AM  
Subject: NorCal Paddle Contacts

> This is a reach, but...

>

> A long time back, a K7 offered silver relay contacts to be used with the  
> NorCal paddle. I bought and  
> used a couple of pairs, but don't have his call or e-mail on file. A  
> local friend is just now putting one of  
> these paddles together and I know he would want to use these contacts if  
> available. Anybody know if  
> they are still available and, if so, from whom?

>

> --

> 73, Bob Patten, N4BP Plantation, FL

>

> E-Mail: n4bp@arrl.net Website: <http://www.qsl.net/n4bp>  
> QRP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

>

>

-----  
Date: Thu, 20 Nov 2003 10:48:03 -0600

From: "George, W5YR" <w5yr@att.net>  
To: <k9iua@juno.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [161604] Re: ARRL Frequency Measuring Test - results  
Message-ID: <00e501c3af86\$115f42c0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Kevin, in case I was not clear in my posting, I did \*not\* use CW mode for the FMT. I used SSB to remove any aspect of the receiver offsetting the receive frequency that I could not measure and confirm.

By receiving WWV with the dial set 1000 Hz high (LSB) or low (USB), one obtains an audio signal that can be measured to the nearest 0.1 Hz with DigiPan. Thus only the master oscillator within the receiver is involved in determining the dial calibration.

Hope this clears up any confusion . . .

73/72, George  
Amateur Radio W5YR - the Yellow Rose of Texas  
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
"Starting the 58th year and it just keeps getting better!"  
w5yr@att.net

----- Original Message -----

From: "Kevin Anderson" <k9iua@juno.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, November 20, 2003 8:32 AM  
Subject: Re: ARRL Frequency Measuring Test - results

> George's process for seeking out a 1000 Hz tone is  
> definitely the better way to make sure you know what is  
> up. Besure to check CW-reverse if you have it.

>

> Cheers/73,

> Kevin, K9IUA

> \* \* \* \* \*

> Kevin Anderson, K9IUA, Dubuque IA

> k9iua (at) juno (dot) com

> \* \* \* \* \*

-----  
Date: Thu, 20 Nov 2003 10:56:29 -0600  
From: <stanw@toxsor.com>  
To: <qrp-1@lehigh.edu>  
Subject: [161605] Hw to make Precision Frequency measurements  
Message-ID: <000501c3af87\$428ba680\$0364010a@toxsor.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Check out your receiver and learn the techniques for frequency measurement  
at z11bpu web site.

Examples of precision frequency techniques and  
spectrograms are available on the newly updated Precision Frequency Website,

<http://www.qsl.net/z11bpu/micro/Precision/index.htm>

This will work for amateur or professional.

Stan ak0b

-----  
Date: Thu, 20 Nov 2003 08:55:29 -0800 (PST)  
From: Mark Prather <wb9hfk@yahoo.com>  
To: qrp-1@lehigh.edu  
Subject: [161606] Switching P.S.  
Message-ID: <20031120165529.76962.qmail@web41202.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

All,

I need more +12vdc power in the shack. I'm considering one of the  
Astron SS30's. However, I'm a bit concerned about noise in the shack,  
or RF getting into the supply. I'd appreciate any user comments...

73,

Mark

=====

Mark Prather - WB9HFK

-----  
Do you Yahoo!?

Free Pop-Up Blocker - Get it now

<http://companion.yahoo.com/>

-----  
Date: Thu, 20 Nov 2003 12:14:13 -0500

From: "Mark Rauchfuss" <mark.rauchfuss@worldnet.att.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>

Subject: [161607] RE: AT Sprint Gen-II???

Message-ID: <001101c3af89\$b9576a40\$a0134b0c@LIFEB00K>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="us-ascii"

Content-Transfer-Encoding: 7bit

Why doesn't the progenitor of the AT Sprint resurrect same or to  
generate an AT Sprint Gen-II configuration?

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf  
Of Mark Rauchfuss

Sent: Wednesday, November 19, 2003 3:24 PM

To: Low Power Amateur Radio Discussion

Subject: RE: AT Sprint ??

Importance: High

Hey Guys,

I'd like to have an AT Sprint kit too!!

Mark,  
WD7WEO

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf  
Of John Sielke

Sent: Wednesday, November 19, 2003 1:40 PM

To: Low Power Amateur Radio Discussion

Subject: Re: AT Sprint ??

> And then drop me an email. I'll give you \$1 more!

> 73 de Lee

> KM4YY/8

>

>

Hear that, Steve? Make another run of AT Sprints, especially now they have been "Field Tested" and you can rake it in!

John W2AGN (Hey, I'll be your agent for 10%....;-)

-----  
Date: Thu, 20 Nov 2003 11:29:01 -0600  
From: "Joe Martin" <km5cw@wt.net>  
To: "QRP" <qrp-1@Lehigh.EDU>  
Subject: [161608] Re: Bands Dead...again!  
Message-ID: <00d001c3af8b\$ca8c1980\$524cd6d0@JoesHome1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey John, that means it is a good time to build for sure. I bet the antenna mfg.s live for it though and tower companies as well.

73 de KM5CW, Joe

ARCI #11368 FP#-697 FISTS#4217

GRID EM13kf FtWorth,Tx

32:49:31N 97:06:13W

(<http://web.wt.net/~km5cw>)

-----| Virus Scanned by Symantec |-----

----- Original Message -----

From: "John Sielke" <jsielke@pobox.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 20, 2003 7:39 AM

Subject: Bands Dead...again!

> Got up around 7AM local, and as usual, turned on the rig to see if any  
> juicy DX around before starting morning chores. "Oops, I guess I left  
> the antenna grounded..."

>

> Nope, antenna is not grounded, have right rig switched in, lets try:

>

> 1. Different rig

>

> 2. Different antenna.

>

> Nothing! Nada...  
>  
> Then I saw the "e-alert" K index of 7.  
>  
> You know, I have been through a couple of solar cycles, but I don't  
> remember this much really cruddy conditions for so long. Either my  
> memory is going from too many solar cycles, or this past few months have  
> been really bummers!  
>  
> Enough to make you try Echolink or some such  
> foolishness...(grumble,grumble).  
>  
> John W2AGN (breaking out the old soldering iron)  
>  
>

-----  
Date: Thu, 20 Nov 2003 09:38:10 -0800  
From: "Clint Hurd" <discobay@waypt.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [161609] Re: Source for RF AGC Amplifier IC - thanks  
Message-ID: <005901c3af8d\$1eecf0c0\$017dfea9@clinthur>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Many thanks to all who put me on the right track for the RF amplifier IC.  
Looks like the MC1350 is the best choice for my project. Best price was BG  
Micro at \$0.89 each. A summary of the suggestions made is below:

Sources for 1350  
    Jameco (800-831-4242)  
    [www.bgmicro.com](http://www.bgmicro.com)  
    [www.debcoelectronics.com](http://www.debcoelectronics.com)  
    <http://www.danssmallpartsandkits.net/>

Alternate ICs  
    AD600  
    AD603  
    NE5209

General tip for looking for components  
    <http://www.findchips.com/>

-----  
Date: Thu, 20 Nov 2003 09:32:54 -0800  
From: "Lee Hopper" <leehopp@msn.com>  
To: <hoglund@wfu.edu>, "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [161610] Re: Changing Impedence?  
Message-ID: <BAY4-DAV63PcZi71mriv0000f0a7@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Good question, Ken!

I find the troubleshooting process really interesting. Let me say that I'm a student rather than an expert.

It sounds like you have ruled out the feedline & antenna by trying it with another rig.

Do you have a dummy load & a wattmeter? If so, I wonder how the TS-180S would do in that situation.

If it doesn't like a 50-ohm load, or doesn't put out full power, the problem must be internal.

Have you taken the top cover off? Do all the tubes light up?

Please let the list know what you find out.

73 -

Lee Hopper, NB7F  
Portland, OR

----- Original Message -----

From: "kenneth hoglund" <hoglund@wfu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, November 19, 2003 7:34 PM  
Subject: Changing Impedence?

> Kinda stumped on this one: I have a K'wood TS-180S that has worked like  
> a charm over the last several years. Got the shack in the basement in  
> pretty nice shape and using the MFJ 901B tuner achieved excellent max



> pwr out with low swr for both the 20m and 40m dipoles up in the attic.  
>  
> But the last two times I've fired up the 180S the usual settings were no  
> where near correct, and I've had a terrible time getting even an  
> approximate match for the 20m dipole: 40m so far has been impossible.  
> Double checking the usual settings with other qrp-scale gear confirms  
> they're right on--just the 180S has gone "flakey" (highly technical talk).  
>  
> So can a transceiver change in terms of the impedance it seeks in an  
> antenna system? And if so, can it be corrected, or rather, where would I  
> begin to figure out what is happening?  
>  
> Thanks in advance,  
>  
> Ken KG4FGC  
>  
>

-----  
Date: Thu, 20 Nov 2003 12:34:30 -0500  
From: "Armin Hachmer" <armin@muskoka.com>  
To: "Rod Hotz" <42hotrodz@sbcglobal.net>  
Cc: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [161611] Re: NorCal Paddle Contacts  
Message-ID: <001d01c3af8c\$8e5197a0\$666c7bd8@muskoka.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My contact was Jim Hossak  
15221 - 342nd Ave NE  
Duvall, WA 98019  
W7LS?

Armin VE3TEQ

----- Original Message -----  
From: "Rod Hotz" <42hotrodz@sbcglobal.net>  
To: "Armin Hachmer" <armin@muskoka.com>  
Sent: Thursday, November 20, 2003 12:21 PM  
Subject: Re: NorCal Paddle Contacts

> Armin:  
>

> Do you know of anyone else who might have a pair? I'm rebuilding one of the original K8FF paddles and would dearly love to have a set of those contacts.

>

> Cheers...73,

>

> Rod

> K5BGB

>

-----  
Date: Thu, 20 Nov 2003 09:36:08 -0800  
From: Jim Pruitt <PruittJ@cwu.EDU>  
To: peyukr@yahoo.co.kr  
Cc: qrp-1@Lehigh.edu  
Subject: [161612] Re: MV2107,2109 datasheet  
Message-ID: <sfbc8b1f.074@hermes.cwu.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 8BIT  
Content-disposition: inline

Hello Park.

Try this link to a pdf:

<http://techpreservation.dyndns.org/beitman/abpr/MV2101-2115.pdf>

It has the series from MV2101 through MV2115 as well as the smt equivalent and is 6 pages.

On semiconductor (used to be Motorola) at <https://www.onsemi.com/site/products/summary/0,4450,MV2105,00.html> lists the MV2105 (also MV2109) and samples may be available for them at the same site. They list the datasheet off that same page and it goes to:  
<https://www.onsemi.com/pub/Collateral/MMBV2101LT1-D.PDF>

It is 8 pages and covers MV2101, MV2105, MV2109, LV2205, LV2209.

I am not attaching the ON Semi datasheet as people do not always appreciate unrequested attachments but can send it if you can not download it.

Good luck.

Jim Pruitt

>>> \$(C <peyukr@yahoo.co.kr> 11/20/2003 1:01:18 AM >>>

Hello?

It's Park.

I am looking for the MV2107,MV2109 Datasheet.

and could not find these on the web.

Anyone have PDF files of these varactors ??

Any supports will be OK.

73

HL2DUS Park.

peyukr@yahoo.co.kr

---

http://mail.yahoo.co.kr

http://autos.yahoo.co.kr/autos/

Date: Thu, 20 Nov 2003 13:27:56 -0500

From: Steven Weber <kd1jv@moose.ncia.net>

To: qrp-1@lehigh.edu

Subject: [161613] AT Sprint MRK II web page

Message-ID: <3.0.6.32.20031120132756.007aae10@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

For those interested or mearly curious, I now have a web page for the AT Sprint Mark II up. Just go to my main page and look for the link.

<<http://www.qsl.net/kd1jv/>>

With the new headphone amp, the Rx current is now just 19.8 ma! Total weight of the rig, including six "AAA" batteries is 7.8 oz.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

---

Date: Thu, 20 Nov 2003 13:26:52 -0500

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Cc: <bplandhamradio@yahooogroups.com>

Subject: [161614] RE: a positive sign for BPL  
Message-ID: <721D3436A7C2B344A301FD4A413C71A901735812@kosh.arrlhq.org>  
content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

> Thus, I heartily agree with Ed Hare. Let the credentialed sources =  
carry the  
> ball - ARRL and Ed with his factual measurements - and let us Joe Hams =  
cross  
> our fingers and trust our representatives - the ARRL - to do their job =  
and  
> work closely with NTIA and others to bring a quiet, acceptable halt =  
to this  
> nonsense.

I will add, George, that "ARRL" includes a number of Joe Hams that are =  
jumping in  
and doing what they can do to help. Some have gone to the BPL trial =  
areas and  
helped with measurements. In other cases, they have talked to their =  
local utilities and  
provided info -- the list of those that are part of this is a long one =  
-- and that is a  
major part of what ARRL is all about.

ARRL is NOT the staff in Newington; it is not the ARRL Board of =  
Directors; it is not=20  
members working on their own. It is a process that includes all of the =  
above, working=20  
together, held together and helped by the individual hams that pony up =  
their  
12 cents a day to make it all happen.=20

There are some hams who are in the right place and time to be part of =  
the action, and  
I sure want to hear from them so we can all sing from the same sheet of =  
music. I have=20  
learned most of what I know about BPL from others, so let's not forget =  
that we are all  
in this together.

Now, from what I have seen on the ABTG discussion board, most of the =  
investors do not  
want their dreams colored by any facts. They know that ham radio is just =  
a hobby, so it=20

is expendable. They know that radio communication is obsolete and they =  
know that the  
utilities would not invest money in this if the concerns about =  
interference were unfounded.  
My concern about jumping into this fray is that it will be perceived as =  
intentional disruption,  
which will be used against us somehow later. You would hardly believe =  
some of the things  
that the industry has been saying.

Here is a quip from an article in Broadband Powerline #1, the journal of =  
the United Powerline  
Council:

"Regulatory: BPL -- All Is Not Quiet on the Regulatory Front - Brett =  
Kilbourne, UPLC Associate  
Counsel

"For its NOI initiative, the FCC got an earful. Instead of the dry, =  
sober assessment that the FCC  
thought, opponents have advanced pet theories about BPL in the abstract =  
without an=20  
adequate basis in reality..."

Even more interesting were some of the comments and reply comments to =  
the NOI. Dave  
Sumner wrote an editorial that included some of the best:

BPL's 15 Minutes of Fame:  
<http://www.arrl.org/news/features/2003/10/01/1/>

Those that are interested in BPL may want to join the discussion board =  
at=20  
[BPLandHamRadio@yahoogroups.com](mailto:BPLandHamRadio@yahoogroups.com).

73,=20  
Ed Hare, W1RFI  
ARRL Lab  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
Internet: [w1rfi@arrl.org](mailto:w1rfi@arrl.org)  
Web: <http://www.arrl.org/tis>

> -----Original Message-----  
> From: George, W5YR [<mailto:w5yr@att.net>]

> Sent: Thursday, November 20, 2003 11:29 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Re: a positive sign for BPL  
>=20  
>=20  
> Alex, it was not my intent to appear to be criticizing you for your  
> suggestion or for implying that you were not capable of=20  
> making the "facts"  
> known. I apologize for any personal implications to the posting.  
>=20  
> My younger son is a professional portfolio manager and he=20  
> both operates and  
> is active on several investor chat boards. I was basing my=20  
> opinions on his  
> comments about all the "noise" that appears on the boards;=20  
> i.e., "facts"  
> about companies and situations from individuals without any=20  
> credentials or  
> background to make their comments of interest or have any=20  
> meaning. Everyone  
> has an opinion and most savvy investors learn early on to=20  
> separate the wheat  
> from the chaff.  
>=20  
> I personally think that the worst thing that could happen is=20  
> for a bunch of  
> hams to hit these boards, for example, with a lot of factual but still  
> apparently whining sob stories about how BPL is going to ruin=20  
> their hobby,  
> as well as crush the entire community of HF spectrum users.=20  
> The instant the  
> word "amateur" or "ham" is used, the typical investor will,=20  
> in my view,  
> discount anything further as unprofessional and of little=20  
> merit. The general  
> public, in fact, probably would in the ratio of 9/10=20  
> associate ham radio  
> with CB.  
>=20  
> Thus, I heartily agree with Ed Hare. Let the credentialed=20  
> sources carry the  
> ball - ARRL and Ed with his factual measurements - and let us=20  
> Joe Hams cross  
> our fingers and trust our representatives - the ARRL - to do=20  
> their job and  
> work closely with NTIA and others to bring a quiet,=20  
> acceptable halt to this  
> nonsense.

>=20  
> Again, I intended no reflection upon you personally, Alex. I=20  
> am no more  
> qualified that the next guy to be giving advice, but it=20  
> occurred to me upon  
> reading your posting that, as Ed implies, we run the risk of=20  
> undoing as much  
> as doing.  
>=20  
> 73/72, George  
> Amateur Radio W5YR - the Yellow Rose of Texas  
> Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
> "Starting the 58th year and it just keeps getting better!"  
> w5yr@att.net  
>=20  
>=20  
>=20  
>=20  
>=20  
> ----- Original Message -----=20  
> From: "Alex" <kr1st@amsat.org>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, November 20, 2003 7:42 AM  
> Subject: Re: a positive sign for BPL  
>=20  
>=20  
> > Hi George,  
> >  
> > George, W5YR wrote:  
> >  
> > > Alex, what is your or my credibility in discussing=20  
> ("informing") the  
> > > "financial community" about the ills of BPL?  
> > >  
> > > Why should any investor listen to either of us? I have no=20  
> creditable  
> > > evidence or any way to gather any which says that BPL=20  
> will \*not\* be a  
> > > moneymaker. I personally don't think that it will, should=20  
> it ever come  
> > > to pass, once the power companies fully appreciate their=20  
> costs to make  
> > > it  
> > > happen.  
> >  
> > Investing is trying to predict the future with the=20  
> knowledge you have  
> > today. This knowledge is more often than not, not based on credible

> > evidence, but mostly on expectations. (If there would be credible  
> > evidence of a particular stock increasing or decreasing in=20  
> value some  
> > time in the future, you may have an insider trading case on=20  
> your hands.  
> > But that would lead to a discussion on what we consider "credible  
> > evidence" and if the evidence (knowledge) was public or not.)  
> >  
> > The BPL industry will be doing their best to make=20  
> (potential) investors  
> > think that their companies will become high yield=20  
> investments, again,  
> > without credible evidence, just expectations. They will=20  
> (and probably  
> > have, I think I saw one BP proposal) hire companies with very  
> > recognizable names to help them with their business plan,=20  
> how to present  
> > where they will be positioning in the broadband market=20  
> etc., so they can  
> > use these names. You could supplement the knowledge a (potential)  
> > investor has by sharing your knowledge, your opinion, even your gut  
> > feeling. Whatever you have to say on the subject in that=20  
> discussion may  
> > be a contributing factor in the decision of whether or not=20  
> to invest in  
> > a particular stock. Having the word "controversy" being=20  
> associated to  
> > BPL could be beneficial. BPL technology is controversial.=20  
> We know it,  
> > now investors need to know it so they can make an informed decision.  
> >  
> > I don't know why anyone would listen to what I have to say, but I do  
> > know that they will certainly not listen if I don't speak.=20  
> I leave the  
> > decision to listen or to act to the person I speak to,=20  
> without pondering  
> > why (which I probably should).  
> >  
> > Of course, all of the above is just my opinion on how I=20  
> think this world  
> > works.  
> > I have no credentials whatsoever, so I probably shouldn't even have  
> > entered the  
> > discussion on this list. I'm merely an observer and student.  
> >  
> > 73,  
> > --Alex KR1ST  
>=20



>=20

-----  
Date: Thu, 20 Nov 2003 13:29:36 -0500  
From: w2bvh <w2bvh@comcast.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [161615] Strange band condx  
Message-ID: <3FBD0810.10804@comcast.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1; format=flowed  
Content-Transfer-Encoding: 7bit

Just finished a Q with W2QE in SNJ and got a 442 report. I gave him a 572 from NNJ on 30 meters. He and I both sounded likewise were keying a noise generator (or maybe a spark transmitter).

Funny stuff going on now on the bands: A quick check of 20 meters resulted in T's between 4 and 2 on stations in 2,3,5 and 0 land. Stations in 4 land are T9 in NNJ.

There must be some mighty wild space weather now. Wish I had a vhf rig, I bet they're getting some interesting propagation

73,  
Lenny W2BVH

-----  
Date: Thu, 20 Nov 2003 11:13:04 -0800  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>  
Subject: [161616] New K2 s/w (K2Z, Ham Radio Deluxe, MacDopplerPro)  
Message-ID: <3FBD1240.7020503@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Hi,

I have just added several links for remote control and logging programs to our page of K2 supported software at:

[http://www.elecraft.com/k2\\_remote.htm](http://www.elecraft.com/k2_remote.htm)

These include K2Z (K2 Parameter retrieval), Ham Radio Deluxe and MacDopplerPRO.

If you know of other control or logging programs that support the K2 please email me and I'll add them to the page. (Most programs that support the TS-570 command set will also work with the K2.)

73, Eric WA6HHQ

-----  
Date: Thu, 20 Nov 2003 14:15:27 -0500  
From: "n3drk" <n3drk@triad.rr.com>  
To: <w1rifi@arrl.org>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161617] Re: a positive sign for BPL  
Message-ID: <00d401c3af9a\$a85e69d0\$6400a8c0@n3drk>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rifi@arrl.org>

>

> ARRL is NOT the staff in Newington; it is not the ARRL Board of Directors;  
it is not

> members working on their own. It is a process that includes all of the  
above, working

> together, held together and helped by the individual hams that pony up  
their

> 12 cents a day to make it all happen.

Ed, you are so right to say that. In all due respect The Board of Directors  
should take this advise when they decide the CW issue and listen to their  
membership surveys and such.

73's

john

-----  
Date: Thu, 20 Nov 2003 14:30:47 -0500  
From: John Sielke <jsielke@pobox.com>  
To: qrp-l@lehigh.edu

Subject: [161618] Re: a positive sign for BPL  
Message-ID: <3FBD1667.5050003@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

> Thus, I heartily agree with Ed Hare. Let the credentialed sources carry the  
> ball - ARRL and Ed with his factual measurements - and let us Joe Hams cross  
> our fingers and trust our representatives - the ARRL - to do their job and  
> work closely with NTIA and others to bring a quiet, acceptable halt to this  
> nonsense.

Kinda like the old "Trust me, I'm from the government and I'm here to help you."

I think sitting back, crossing our fingers and hoping the ARRL can do it all is naive at best. Our representatives (and I use the term advisedly) in Washington need to know, with no diplomatic beating about the bush, that BPL is a disaster waiting to happen. As for posting to the "day trader" boards, if you keep in mind that you are talking to people with no idea of what causes radio interference other than "that Ham down the block." In other words, idiots, and tone your comments accordingly, it can't hurt.

John W2AGN

-----  
Date: Thu, 20 Nov 2003 13:34:08 -0600  
From: "sjolin" <sjolin@swbell.net>  
To: <w2bvh@comcast.net>,  
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [161619] Re: Strange band condx  
Message-ID: <068301c3af9d\$458b9e10\$78d1fea9@DaveSjolin>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

You are experiencing auroral propagation. This morning around 1600Z the auroral oval covered the entire US and was bright red. I worked a couple of stations on two meter cw before I had to get back to work.

Must be really something to hear auroral effect on 30 and 20 meter signals.

73 de Dave, N0IT

----- Original Message -----

From: "w2bvh" <w2bvh@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, November 20, 2003 12:29 PM

Subject: Strange band condx

> Just finished a Q with W2QE in SNJ and got a 442 report. I gave him a  
> 572 from NNJ on 30 meters. He and I both sounded likewise were keying a  
> noise generator (or maybe a spark transmitter).  
>  
> Funny stuff going on now on the bands: A quick check of 20 meters  
> resulted in T's between 4 and 2 on stations in 2,3,5 and 0 land.  
> Stations in 4 land are T9 in NNJ.  
>  
> There must be some mighty wild space weather now. Wish I had a vhf rig,  
> I bet they're getting some interesting propagation  
>  
> 73,  
> Lenny W2BVH  
>  
>

-----  
Date: Thu, 20 Nov 2003 13:46:50 -0600

From: "Joe Martin" <km5cw@wt.net>

To: "QRP" <qrp-1@Lehigh.EDU>

Subject: [161620] Re: AT Sprint MRK II web page

Message-ID: <013501c3af9f\$0b3a3210\$524cd6d0@JoesHome1>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Looks great Steven, say I notice also that the Frankenkeyer is now ready to go,, boy, I can't hardly wait till payday..so many good things to build for the winter, I am a happy camper.

I have a special plug for your goodies on my Front Page,, I love spreading the word.

73 de KM5CW, Joe

ARCI #11368 FP#-697 FISTS#4217

GRID EM13kf FtWorth,Tx

32:49:31N 97:06:13W

(<http://web.wt.net/~km5cw>)

-----| Virus Scanned by Symantec |-----

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, November 20, 2003 12:27 PM  
Subject: AT Sprint MRK II web page

> For those interested or mealy curious, I now have a web page for the AT  
> Sprint Mark II up. Just go to my main page and look for the link.  
> <<http://www.qsl.net/kd1jv/>>  
>  
> With the new headphone amp, the Rx current is now just 19.8 ma! Total  
> weight of the rig, including six "AAA" batteries is 7.8 oz.  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>  
>

-----  
Date: Thu, 20 Nov 2003 14:51:51 -0500  
From: "Noyce, Bill" <william.noyce@hp.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [161621] Re: Changing Impedence?  
Message-ID:  
<6D6463F31027B14FB3B1FB094F2C7447047D9FEC@tayexc17.americas.cpqcorp.net>  
Content-class: urn:content-classes:message  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

One other possibility is that your transmitted signal  
has suddenly gotten a lot of harmonics or something,  
so that tuning for 40 meters doesn't tune everything  
the transmitter is putting out. Suspect this if it  
works fine into a pure resistive load.

-- Bill, AB1AV

-----  
Date: Thu, 20 Nov 2003 11:26:18 -0800  
From: Bob Nielsen <nielsen@oz.net>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [161622] Re: Switching P.S.  
Message-ID: <20031120192618.GC16566@n7xy.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

On Thu, Nov 20, 2003 at 08:55:29AM -0800, Mark Prather wrote:

>  
> All,  
>  
> I need more +12vdc power in the shack. I'm considering one of the  
> Astron SS30's. However, I'm a bit concerned about noise in the shack,  
> or RF getting into the supply. I'd appreciate any user comments...  
>

In January and September 2000, QST published Product Reviews with measurements for several of the switching power supplies. If you have access to the members-only area of the ARRL web site you can see these and decide for yourself which would be best for you.

I did a comparison and chose the Alinco DM-330MV, primarily for the variable output and the ability to shift the frequency of noise spikes, although mine is so quiet that I have yet to need this feature. The Astron SS30 looked pretty good also, as did some others. There were a couple of real noise generators, however.

72/73, Bob N7XY

--

Bob Nielsen, N7XY  
Bainbridge Island, WA

n7xy (at) n7xy.net  
<http://www.n7xy.net>

-----  
Date: Thu, 20 Nov 2003 14:17:01 -0600  
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>  
To: qrp-l@lehigh.edu  
Subject: [161623] Re: Strange band condx  
Message-ID: <3.0.1.32.20031120141701.008af8f0@baton.phys.lsu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Someone.... please make a few minutes of audio recording of the sound of HF CW warbles by geomagnetic storming. I'm not near a rig where I can do that... but would like to incorporate it into a a talk on solar flare effects.

Jim N5IB

-----  
Date: Thu, 20 Nov 2003 13:27:39 -0700 (MST)  
From: Karl Larsen <k5di@zianet.com>  
To: "George, W5YR" <w5yr@att.net>  
Cc: qrp-1@lehigh.edu  
Subject: [161624] Measurement methods.  
Message-ID: <Pine.LNX.4.44.0311201314320.4700-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Now you have my interest up. Your secret is to have a counter that counts a frequency near 1000 Hz the SAME over a 15 minute period. Doesn't need to be real accurate, just stable I think.

Have checked my Yaesu FT-817 and it counts on the front panel in Hz! So I should be able to correct the internal errors of the FT-817 with WWV to at least plus or minus 1 Hz.

I will prove with math that the calibration of the radio, and the beat frequency oscillator and the counter will all not matter, PROVIDED all the errors remain the same over a 15 minute measurement period.

There is nothing important about using the counter at exactly 1000 Hz read on the panel, except that it makes the calculations easier.

Now I need to sit down back at my pad of paper and using the first proof that the radio reads out in one Hz steps continue with math.

More later, and actual measurement of WWV at 10 and 15 MHz I hope.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

-----  
Date: Thu, 20 Nov 2003 14:37:08 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: "Karl Larsen" <k5di@zianet.com>  
Cc: <qrp-1@lehigh.edu>

Subject: [161625] Re: Measurement methods.  
Message-ID: <027401c3afa6\$11e09a30\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guess you haven't gotten my last email, Karl.

Briefly, I do NOT use a counter to obtain a 1000 Hz offset frequency. That is provided by the functioning of the DigiPan program using the computer soundcard.

I will include my reply to you here since others may be interested.

-----  
> Do you measure the 1000 Hz tone with a counter? What is the  
> accuracy of it?

No, I let the frequency measuring capabilities of DigiPan do that job. The DSP processing in PSK31 uses a very sharp 31.25 Hz filter to select the desired audio signal and to track it. The DSP logic also measures the frequency of the signal.

So, what is the ultimate reference? The soundcard . . .

You check that the soundcard is on frequency by tuning in WWV in AM so that your receiver dial calibration doesn't have any effect. You select one of the tone signals in DigiPan and note its frequency. Tones used are 440, 500 and 600 Hz. If DigiPan says that the 600 Hz tone is 600.0 Hz, then you know your soundcard is OK. If it said 602.4 Hz, then you would know that you had an error of 2.4 Hz in your DigiPan readings and make a correction. Or you could on some soundcards correct the frequency.

Makes a real quick way to measure any signal frequency. I used to use it as a "panadapter" to watch the Fox Hunts and keep track of the pack. But with the PR02 Spectrum Scope, I don't need DigiPan any more for that.

-----  
George  
-----



Date: Thu, 20 Nov 2003 14:40:17 -0600  
From: "George, W5YR" <w5yr@att.net>  
To: "Karl Larsen" <k5di@zianet.com>  
Cc: <qrp-1@lehigh.edu>  
Subject: [161626] Re: Measurement methods.  
Message-ID: <029101c3afa6\$8404e0d0\$0401a8c0@PS>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, at least you know the answers: 10 MHz and 15 MHz exactly!   <:}

George

----- Original Message -----  
From: "Karl Larsen" <k5di@zianet.com>  
To: "George, W5YR" <w5yr@att.net>  
Cc: <qrp-1@lehigh.edu>  
Sent: Thursday, November 20, 2003 2:27 PM  
Subject: Measurement methods.

> Now I need to sit down back at my pad of paper and using the  
> first proof that the radio reads out in one Hz steps continue with math.  
>  
> More later, and actual measurement of WWV at 10 and 15 MHz I  
> hope.

-----  
Date: Thu, 20 Nov 2003 15:47:43 -0500  
From: w9ya <w9ya@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161627] Re: a positive sign for BPL  
Message-ID: <200311201547.44004.w9ya@arrl.net>  
MIME-Version: 1.0  
Content-Disposition: inline  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

On Thursday 20 November 2003 11:28 am, George, W5YR wrote:  
> Alex, it was not my intent to appear to be criticizing you for your  
> suggestion or for implying that you were not capable of making the "facts"  
> known. I apologize for any personal implications to the posting.

>  
> My younger son is a professional portfolio manager and he both operates and  
> is active on several investor chat boards. I was basing my opinions on his  
> comments about all the "noise" that appears on the boards; i.e., "facts"  
> about companies and situations from individuals without any credentials or  
> background to make their comments of interest or have any meaning. Everyone  
> has an opinion and most savvy investors learn early on to separate the  
> wheat from the chaff.  
>  
> I personally think that the worst thing that could happen is for a bunch of  
> hams to hit these boards, for example, with a lot of factual but still  
> apparently whining sob stories about how BPL is going to ruin their hobby,  
> as well as crush the entire community of HF spectrum users. The instant the  
> word "amateur" or "ham" is used, the typical investor will, in my view,  
> discount anything further as unprofessional and of little merit. The  
> general public, in fact, probably would in the ratio of 9/10 associate ham  
> radio with CB.  
>  
> Thus, I heartily agree with Ed Hare. Let the credentialed sources carry the  
> ball - ARRL and Ed with his factual measurements - and let us Joe Hams  
> cross our fingers and trust our representatives - the ARRL - to do their  
> job and work closely with NTIA and others to bring a quiet, acceptable  
> halt to this nonsense.

Hey George;

No offense intended, but I think you and Ed \*might\* be very wrong on this.  
Certainly one can look to the fact that over half of the investment community  
is wrong at least 1/2 the time. This is a fact, because otherwise it wouldn't  
be mathematically possible to make money. I grew up around the investment  
community, and the sharpest ones (i.e. the ones who consistently made money)  
did NOT listen to "conventional wisdom". (They also didn't look like the  
multi-millionaires they were.)

Having said the above, I am also not clear exactly why something shouldn't be  
said. So far the ARRL has written some very coarse (according to them) and  
nasty letters. I think alot of REASONED responses could do no worse. If the  
investment community gets the wrong impression, they they loose some money.

I personally think this should be decided at the spectrum management level.  
BESIDES, wide bandwidth solutions are the real answer, which ultimately leads  
to the microwave spectrum anyways. THAT is the real crux of the matter.

But alas your and my input are just opinions, and we all have those. So no  
hard feelings about this, and let's part as friends.

Vy 72;

Bob  
w9ya

>  
> Again, I intended no reflection upon you personally, Alex. I am no more  
> qualified that the next guy to be giving advice, but it occurred to me upon  
> reading your posting that, as Ed implies, we run the risk of undoing as  
> much as doing.  
>  
> 73/72, George  
> Amateur Radio W5YR - the Yellow Rose of Texas  
> Fairview, TX 30 mi NE of Dallas in Collin county EM13QE  
> "Starting the 58th year and it just keeps getting better!"  
> w5yr@att.net  
>  
>  
>  
>  
>  
>  
> ----- Original Message -----  
> From: "Alex" <kr1st@amsat.org>  
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
> Sent: Thursday, November 20, 2003 7:42 AM  
> Subject: Re: a positive sign for BPL  
>  
> > Hi George,  
> >  
> > George, W5YR wrote:  
> > > Alex, what is your or my credibility in discussing ("informing") the  
> > > "financial community" about the ills of BPL?  
> > >  
> > > Why should any investor listen to either of us? I have no creditable  
> > > evidence or any way to gather any which says that BPL will \*not\* be a  
> > > moneymaker. I personally don't think that it will, should it ever come  
> > > to pass, once the power companies fully appreciate their costs to make  
> >  
> > it  
> >  
> > > happen.  
> >  
> > Investing is trying to predict the future with the knowledge you have  
> > today. This knowledge is more often than not, not based on credible  
> > evidence, but mostly on expectations. (If there would be credible  
> > evidence of a particular stock increasing or decreasing in value some  
> > time in the future, you may have an insider trading case on your hands.  
> > But that would lead to a discussion on what we consider "credible  
> > evidence" and if the evidence (knowledge) was public or not.)

> >  
> > The BPL industry will be doing their best to make (potential) investors  
> > think that their companies will become high yield investments, again,  
> > without credible evidence, just expectations. They will (and probably  
> > have, I think I saw one BP proposal) hire companies with very  
> > recognizable names to help them with their business plan, how to present  
> > where they will be positioning in the broadband market etc., so they can  
> > use these names. You could supplement the knowledge a (potential)  
> > investor has by sharing your knowledge, your opinion, even your gut  
> > feeling. Whatever you have to say on the subject in that discussion may  
> > be a contributing factor in the decision of whether or not to invest in  
> > a particular stock. Having the word "controversy" being associated to  
> > BPL could be beneficial. BPL technology is controversial. We know it,  
> > now investors need to know it so they can make an informed decision.  
> >  
> > I don't know why anyone would listen to what I have to say, but I do  
> > know that they will certainly not listen if I don't speak. I leave the  
> > decision to listen or to act to the person I speak to, without pondering  
> > why (which I probably should).  
> >  
> > Of course, all of the above is just my opinion on how I think this world  
> > works.  
> > I have no credentials whatsoever, so I probably shouldn't even have  
> > entered the  
> > discussion on this list. I'm merely an observer and student.  
> >  
> > 73,  
> > --Alex KR1ST

-----  
Date: Thu, 20 Nov 2003 16:12:07 -0500  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161628] Re: a positive sign for BPL  
Message-ID: <004a01c3afaa\$f5d0aa60\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>  
> In all due respect The Board of  
Directors  
> should take this advise when they decide the CW issue and listen to  
their  
> membership surveys and such.

Has there been a formal survey? Or is it just 'member feedback'?

-----  
Date: Thu, 20 Nov 2003 14:34:48 -0700  
From: kizerian@xmission.com  
To: qrp-1@lehigh.edu  
Subject: [161629] Re:PBS NOVA  
Message-ID: <1069364088.3fbd33780a0c5@webmail.xmission.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit

Is there any connection between the unusual solar activity and the earth's shifting magnetic poles?

Bruce kk7zz

-----  
Date: Thu, 20 Nov 2003 17:28:30 -0500  
From: Rick McKee <kc8aon@juno.com>  
To: fpqrp-1@fpqrp.com, qrp-1@Lehigh.EDU, mqfd@smartgroups.com  
Subject: [161630] sr@hfradio.org: e-alert 11.20 18:46 UTC  
Message-ID: <20031120.174112.10046.0.kc8aon@juno.com>

----- Begin forwarded message -----  
From: sr@hfradio.org  
To: salist@hfradio.org  
Subject: e-alert 11.20 18:46 UTC  
Date: Thu, 20 Nov 2003 10:48:51 -0800  
Message-ID: <200311201848.hAKImpc08615@accessnow.com>

Severe Geomagnetic Storm in progress due to arrival of CME - Some reporting stations show K of 9. Current Kp is 8 - and aurora index is 10. This is expected to continue through the day. HF conditions are poor. MW conditions are poor.

Visual Aurora possible at low-latitudes. Aurora-mode (Au and Au-Es) is possible and reported. Visual Aurora is occurring now in night regions, and is possible to occur during darkness tonight in the Western Hemisphere (e.g., North America).

More: <http://prop.hfradio.org/>  
Live Forum: <http://hfradio.org/forums/>

----- End forwarded message -----

-----  
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Surf the web up to FIVE TIMES FASTER!  
Only \$14.95/ month - visit [www.juno.com](http://www.juno.com) to sign up today!

-----  
Date: Thu, 20 Nov 2003 17:00:58 -0600  
From: "Lee Bahr" <pulsarxp@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [161631] OFF TOPIC PROBLEMO  
Message-ID: <00b601c3afba\$29c59ba0\$188a4a43@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Dear Wizzards:

I need help and my local CB club doesn't have a clue! Thus, I am pushing my luck by posting on this reflector!

Maybe someone on here can steer me in the right direction. I'll make it short. I want to install a 70 volt line audio system in my lake house. I know how to wire the system, no problem. My problem is the amp that will drive the system.

I have an old solid state stereo receiver (Yamaha R-8), 65 watts per channel and it uses silicon output transistors. I want to use to drive the system. I want to strap the 4 ohm outputs together and then feed the strapped amp into a 70 volt line transformer.

Can I strap the outputs together without letting out the magic smoke?

Or, could I use two 70 volt line transformers with inputs going to the amps two 4 ohm outputs and then tie the 70 volt secondaries in parallel?

Or, if the above doesn't work, how can I accomplish my goal?  
(I know the above suggestions will isolate the two output's DC voltages, but what does the AC audio feeding back from one amp into the other's output through the transformers do to all this? That is my concern. I also

understand the transformers must handle the power requirements they will be subjected to in the system).

I'm sorry for the off topic post, but some of you guys are wizzards and I need a wizzard's advice. Thanks all for putting up with this. (I feel better now)!

Lee  
w0vt  
Houston, Tx

-----  
Date: Thu, 20 Nov 2003 18:35:09 -0500  
From: David Hinerman <WD8CIV@worldnet.att.net>  
To: qrp-1@lehigh.edu  
Subject: [161632] Re:PBS NOVA  
Message-ID: <5.1.1.6.1.20031120183034.00b216e8@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Is there any connection between the unusual solar activity and the earth's  
>shifting magnetic poles?

Bruce,

Evidence to support the idea of Earth's field changing in strength and polarity is found in volcanic rock and clay pottery. The pottery record goes back a few thousand years; the volcanic rock goes back quite a bit further. Records of sunspot activity are only a couple hundred years old. So it's hard to find a correlation - right now it's just a theory.

Dave

-----  
Dave Hinerman  
WD8CIV@att.net

-----  
Date: Thu, 20 Nov 2003 15:37:29 -0800 (PST)  
From: Garie Halstead K8KFJ <khyberpass65@yahoo.com>  
To: w2bvh@comcast.net,  
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [161633] Re: Strange band condx  
Message-ID: <20031120233729.43053.qmail@web60309.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- w2bvh <w2bvh@comcast.net> wrote:

> Just finished a Q with W2QE in SNJ and got a 442 report. I gave him a  
>  
> 572 from NNJ on 30 meters. He and I both sounded likewise were keying  
> a  
> noise generator (or maybe a spark transmitter).  
>  
> Funny stuff going on now on the bands: A quick check of 20 meters  
> resulted in T's between 4 and 2 on stations in 2,3,5 and 0 land.  
> Stations in 4 land are T9 in NNJ.  
>  
> There must be some mighty wild space weather now. Wish I had a vhf  
> rig,  
> I bet they're getting some interesting propagation  
>  
> 73,  
> Lenny W2BVH

I'm monitoring 6m CW right now. Nada so far from 38 degrees north.  
Wish I had an antenna up for 2m.

72, Gary -K8KFJ-

-----  
Do you Yahoo!?  
Protect your identity with Yahoo! Mail AddressGuard  
<http://antispam.yahoo.com/whatsnewfree>

-----  
Date: Thu, 20 Nov 2003 17:53:29 -0600  
From: "Jim Sheldon" <w0eb@cox.net>  
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>  
Subject: [161634] RE: Strange band condx  
Message-ID: <IBEGLCMLCDHHEFLBPHB00EPNCOAA.w0eb@cox.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I've been monitoring 2 meter CW/SSB all afternoon here in Wichita, KS, and



NADA here either. I've called CQ on CW numerous times with no results. Checking 6 meters occasionally as well with the same results. Right now - 23:55Z 40 meters is real good and has fairly low background noise compared to signal strengths.

Jim, W0EB

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Garie Halstead K8KFJ

Sent: Thursday, November 20, 2003 5:37 PM

To: Low Power Amateur Radio Discussion

Subject: Re: Strange band condx

--- w2bvh <w2bvh@comcast.net> wrote:

> Just finished a Q with W2QE in SNJ and got a 442 report. I gave him a  
>  
> 572 from NNJ on 30 meters. He and I both sounded likewise were keying  
> a  
> noise generator (or maybe a spark transmitter).  
>  
> Funny stuff going on now on the bands: A quick check of 20 meters  
> resulted in T's between 4 and 2 on stations in 2,3,5 and 0 land.  
> Stations in 4 land are T9 in NNJ.  
>  
> There must be some mighty wild space weather now. Wish I had a vhf  
> rig,  
> I bet they're getting some interesting propagation  
>  
> 73,  
> Lenny W2BVH

I'm monitoring 6m CW right now. Nada so far from 38 degrees north. Wish I had an antenna up for 2m.

72, Gary -K8KFJ-

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End of QRP-L Digest 3110

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